

**Sealed tenders are invited for "Comprehensive Architectural Services"
with respect to creation of the LNMIIT International Centre
for Artificial Intelligence (LICA)**

The LNMIIT Jaipur is an institution of higher learning jointly established in 2002 by the Lakshmi and Usha Mittal Foundation and the Government of Rajasthan under the PPP model. Currently, the Institute operates from a 100 acre campus in Jaipur and is in the process of a major transformation as part of which, the LNMIIT International Centre for Artificial Intelligence (LICA) has been planned to be created in form of a smart, modern, and green multistoried building spread over about 480000 Sq. Ft. area. In the first phase of two years, about 300000 Sq. Ft. area is proposed to be built and readied for operation along with all required support systems and services.

Sealed tenders are hereby invited for providing comprehensive architectural services for this purpose. The tenders must be submitted by Speed Post/Registered Post/ By-hand delivery (but not by Courier) before 17th of August, 2022.

The detailed qualification criteria for those interested to submit tender has been provided on the Institute website in the tender document set itself. In general, those who have evidence of successfully completed projects worth INR 100 Crore or higher, in the university/ institute campus settings or creation of major research laboratories, Research Park etc. are encouraged to participate.

Details of the tender and associated concept note for the architect can be downloaded from the Institute website: www.lnmiit.ac.in

**Sd/
Purchase Officer**

A Brief Concept Note for the Architect in Respect of Creation of the
LNMIIT Internal Centre for Artificial Intelligence
(Version 4.1)

An overview and timeline:

The LICAI has been planned to be spread over a 4,80,000 Sq Ft. area. The project shall be implemented in two phases of construction of about 2,91,089 Sq Ft. of area in Phase-1 (two years) and the rest in Phase-2 (three years). It is proposed to be a smart, modern, and green building to be completed into two phases, each involving creation of a separate set of functional blocks. This area excludes any parking space as the architect might recommend (out of 4,80,000 Sq. Ft.), to conserve the space available for any future additions. There are a few old trees in the area (single digit), which, if possible, we would like to retain, unless that would be inadvisable as per the architects.

1. Scope of the Project:

Architectural consultancy services for Creation of the LNMIIT Internal Centre for Artificial Intelligence at the LNMIIT, Jaipur (as per the facilities description given in Attachment-I). Although the overall work is planned to be done split over two clearly identified phases, the concept note and design should involve both phases.

2. Scope of Work:

The Architect is required to provide broad services in respect of the following. Any other work / services not covered but considered essential by the client/consultant for development and planning of the Centre to be carried out by Architect. The scope includes but not limited to the following:

Phase-1:

1. As per Client's instructions and preparation of design document.
2. Survey and Soil Investigation of Land area from reputed soil investigation and surveying agency
3. Site evaluation and review of geo technical investigations for foundation design and infrastructure planning.
4. Finalization of Concept and Master Plan and all relevant statutory compliances / NOCs
5. Preparation of Architectural designs and drawings.
6. Preparation of Structural designs and drawings.
7. Designs and detailed engineering of all buildings / structures.
8. All External infrastructure services design (using latest software) and drawings. Providing all the designs to Client for review and approval.
9. Sanitary, plumbing, drainage, water supply and sewerage system design.
10. Electrical, electronic data, voice and media communications system design and drawings.
11. Design and Drawings of the integrated Network for both data and Voice
12. Design and distribution network of water supply scheme including water treatment, as required.
13. Sewerage treatment scheme.
14. Garbage decomposition scheme.
 1. Lift s/elevators details and design.
 2. Fire detection, Fire protection and Security Systems design drawings. Centralized Addressable Fire Alarm System with Detectors, Hooters and MCPs, with an arrangement to send SMS/e-mails/recorded message to the concerned persons.
 3. Utilization of renewable energy sources, and environmental up gradation such as solar energy, rainwater harvesting, energy conservation measures, energy efficiency in design etc. Usage of Building Management System for Common Lighting, Fire Fighting, Fire Alarm, Electrical Metering, etc.
 4. All High Side services (like Over Head Tank, UG tank, STP, Electrical Sub-station, pumps, all high-end equipment etc.) to be designed for meeting the requirements.
 5. The Low Side services to be designed for hooking up with existing services.
 6. Review and modification at existing Sub-station for the complete requirement of Phase-1 and Phase-2 electrical load requirements. Issuing drawings, specifications and details keeping in mind least

- disturbance to the existing occupants.
7. Design and modification of water supply system from source for the water requirement.
 8. Design and drawing of roads, walkways, culverts, and drains.
 9. Design and drawings of Solar Street lighting, if economical; otherwise LED Street lighting.
 10. Latest NBC and applicable statutory norms to be complied for the work.
 11. Design of Landscaping with plantation and irrigation scheme.
 12. Designs of various external elements and components.
 13. Fixed interiors.
 14. Interior Plan of building with Furniture (both fixed and loose)
 15. Graphic designs and Signage.
 16. 3D visuals and animations.
 17. Preparation of tender drawings, BOQ, technical specifications, estimates (along withtake-off sheets) etc. for all the above items.
 18. Investigate economies in use of materials, including use of alternative /local materials.
 19. Incorporation of all the parameters in the design, drawing and Technical Specifications to avoid any quality discrepancies.
 20. Preparation of technical specifications, schedule of works, cost estimate and tenderdocuments (LSTK – For estimation BOQ for all items shall be worked out) for invitationof tenders of all works (Buildings, Lifts, Kitchen Cabinets / Wardrobes, DG Sets, Solar Power, Road Works etc.) within its scope, including multiple tenders of one job, if required.
 21. Periodic monitoring, quality inspection and evaluation of construction works.
 22. Carrying out Technical Bid Analysis (TBA) of bids. Forward recommendation for placement of order.
 23. RCC Structure design to be carried out such that the reinforcement is kept optimum. Structural engineer to make more effort to achieve the most efficient structural design and must use advanced structural analysis. Structural consultant to benchmark it with other similar projects while satisfying all the design stipulations.
 24. The building design and architecture to attempt as much as natural lighting and natural air flow as possible, while attempting the building be preferably carbon neutral, within the financial constraints. A hood design can lead to significant savingin material resources and reduce waste.
 25. External work methodology to be checked and monitored at other sites for incorporating measures for framing safe working methodology at site. Also, the building architecture to be designed for the standard brackets available for externalworking.

3. Schedule of Services:

The Architect shall, after taking instructions from the Client, render the following services:

3.1. Concept Design (Stage 1):

- 3.1.1. Visit site and examine site constraints and potential, ascertain client's requirements, and prepare a design brief for Client's approval.
- 3.1.2. Carry out soil investigation and site survey from reputed agency. Existing Soil Investigation and Survey to be used for Hostel, and Guest House.
- 3.1.3. Review detailed Geo Technical investigations and site inspection for foundation design and infrastructure planning.
- 3.1.4. Study of existing infrastructure, accessibility, circulation pattern etc.
- 3.1.5. Prepare / finalize extended / revised Master Plan as per statutory requirements and local bylaws, and meeting / exceeding the requirements as given in Attachment-1. Architect should plan the Phase-4 area with maximum nos. of units, which are feasible on meeting the statutory guidelines. The additional units, exceeding from the requirements given in attachment 1, may be taken up for construction at later stage.
- 3.1.6. Prepare building/structures designs including services and prepare rough estimates (within accuracy of $\pm 20\%$).
- 3.1.7. Preparation of concept design of the area showing circulation pattern, zoning of various land uses and relevant details, development strategy.
 - 3.1.9. Assessment of utility services and their connectivity.
 - 3.1.10. 3-D Perspectives.
 - 3.1.11. Preparation of a strategic proposal for the project.

This stage shall be deemed complete when the Client is satisfied with the Conceptual design and requests the Architect to make the schematic design.

Timeline (Stage-1): From the date of Order Confirmation / issue of PO: 15 days

3.2. Schematic Proposal & Master Plan (Stage 2):

- 3.2.1. Submission of Survey and Soil Investigation Report carried out at Stage-1
- 3.2.2. Modify the conceptual designs incorporating required changes (basis of the revised site survey) and prepare the preliminary drawings and sketches, study model etc. for the client's approval along with preliminary estimate of cost.
- 3.2.3. Prepare designs for all building types proposed with reference to the discussions in Stage 1.
- 3.2.4. Prepare schematic designs for all external services, horticultural planning and landscaping, road networks, drainage etc.
- 3.2.5. Prepare and outline the proposed sewerage and garbage disposal scheme, water supply scheme, electronic data/voice/media communication system, Fiber to Home (Data & Voice), electrical distribution scheme, fire protection / fighting and security systems etc.
- 3.2.6. Outline the finishing details, Signages etc.
- 3.2.7. Submit Master Plan for client's approval, by incorporating required changes with reference to the discussions held at Stage 1.
- 3.2.8. Assessing the statutory clearances required along with the list of drawings & details and updating the details to Client.

This stage shall be deemed completed when the Client is satisfied with the schematic designs and requests the Architect to make the final drawings

Timeline (Stage-2): From the date of Order Confirmation / issue of PO: 30 days

3.3. Client's Approval, Statutory Submissions, and Detailed proposal (Stage 3):

- 3.3.1. Prepare application/ drawings necessary for Client's /statutory approvals and ensure compliance with codes, standards, and legislation as applicable.
- 3.3.2. Submission of documents for NOC to all relevant statutory departments for NOC / clearances.
- 3.3.3. Liaison for NOC from JDA, Ministry of Environment, etc. by deputing competent consultant
- 3.3.4. Liaison for submissions, pertaining to statutory approvals / NOC, to all concerned statutory Govt. Departments.
- 3.3.5. Relevant drawings (except structure design and drawings) of Public Buildings required for submissions to statutory authorities be prepared, and to be submitted for approvals.
- 3.3.6. Brief the Client and any nominated consultants (PMC Service Provider) to optimize the value of the project within the agreed cost plan.
- 3.3.7. Submission of the complete design of all the Buildings, services and their components, like: RCC Structure, Sewer line, STP equipment; Storm/Flood line, Percolation Pits; Domestic and Non-domestic Water Supply Line, Valves; Fire line, Valves, Hydrants, Pumping System; Centralized Addressable Type Fire Alarm System, detectors; High and Low side Electricalsystem including detailed load calculation, Cable schedule, earthing, Lightning arrestors, power back-up system, conduit layout, DG synchronization scheme, cable route; Fibre-optic cable system inclusive of cable sizing, equipment details, etc.
- 3.3.8. Structure of the entire building to be designed to keep provision for an additional floor.
- 3.3.9. Prepare a revised estimate of the cost of the project based on the discussions with clientduring Stage-2 and furnish modified project cost within $\pm 10\%$ accuracy.
- 3.3.10. Plan for submittals of all drawings and details for the comprehensive scope to be prepared
- 3.3.11. Integrate the overall engineering concept and finalize the phasing of expenditure / work plan
- 3.3.12. Finalize the external services schemes
- 3.3.13. Prepare working drawings, specifications, and schedule of quantities sufficient to prepare estimate of cost and tender documents including standards/codes of practice covering aspects like mode of measurement, method of payments, quality control procedures on materials and works and other conditions of contract.
- 3.3.14. Prepare options of conceptual master plan for the balance area of Campus to be developed.

This stage shall be deemed complete on submission of the above stated deliverables and on receipt of approval from the Client to proceed to the next stage.

Timeline (Stage-3): From the date of Order Confirmation / issue of PO: 45 days

3.4. Tendering (Stage 4):

3.4a. Stage 4 a: Issue of tenders:

3.4 a.1. Prepare:

- Bills of quantities
- Specifications
- Special conditions of contract
- Documents for inviting tenders
- Final Working Drawings

3.4a.2. Prepare final working drawings, specifications, and schedule of quantities for cost estimation (with take-off sheets) and tender documents including standards/codes of practice covering aspects like mode of measurement, method of payments, quality control procedures on materials and works and other conditions of contract.

3.4a.3. Incorporate the measures in the design / selection of material, finalization of construction techniques and their incorporation in the Tender. This may include the usage of Mivan or similar formwork practices and other measures.

3.4a.4. Finalize Bar Chart / Time schedule for the Project to be followed by the Contractor during Construction.

3.4a.5. Provide the list of minimum requirements of Manpower, Equipment, and shuttering material required at the Project for its completion within 12 months, to be attached with the Tender.

3.4a.6. Coordinate the development of the services designs with different consultants of the project.

3.4a.7. Develop a detailed cost estimate.

3.4a.8. Obtain requisite NOCs / Statutory Compliances from the relevant Statutory Authorities. LNMIIT will provide necessary support for perusal of approvals.

3.4a.9. Identify and shortlist potential vendors/contractors on behalf of and in consultation with client.

3.4 a.10. Issue tenders under two bid system to shortlisted vendors/contractors on behalf of client.

This stage shall be deemed complete on submission of above deliverables.

Timeline (Stage-4 a): From the date of Order Confirmation / issue of PO: 3 Months

3.4b. Stage 4 b: Receipt and analysis of bids:

3.4b.1. Receipt of technical part of the quotations from the bidders (in two bid system). Evaluate tenders and send Technical Bid Analysis with comparative statement with recommendation to the Client for selection of the Contractor, if required by Client.

3.4 b.2. Facilitate the client in award of contract, as per the requirement of Client. This stage shall

be deemed complete on award of contract by the Client

Timeline (Stage-4 b): From the date of Order Confirmation / issue of PO: 4 Months

3.4c. Stage 4 c: Statutory Compliances:

3.4 c.1. Liaison in close coordination with Govt. Authorities, JDA, and obtain requisite Approvals /NOCs within 4 months target (as the case may be), for commencement of Construction Work.

Timeline (Stage-4 c): From the date of Order Confirmation / issue of PO: 4 Months

3.5. Construction (Stage-5):

3.5.1. Issue working drawings and details (8 Sets) for proper and timely execution of works during construction.

3.5.2. Provide the reinforcement calculation for each member of RCC to the LNMIIT. Quantities of steel shall be provided for each building with bifurcation for each member like Foundations, Columns, Walls, Beams, etc. on typical structural component basis.

3.5.3. Approve samples of various elements and components.

3.5.4. Check and approve the plan and drawings submitted by the Contractor. Review and incorporate any comments from the Formwork Vendor in the FC drawings.

3.5.5. Check and approve the drawings & design of Shuttering system of RCC and External Scaffolding for all external / finishing works.

3.5.6. Check and approve shop drawings submitted by the contractor/vendors. Providing AutoCAD drawing required by the Contractor for preparing any shop drawings.

3.5.7. Visit the site of works, at intervals mutually agreed upon, (minimum 10 times) to inspect and evaluate the construction works and where necessary clarify any decision, offer interpretation of the drawings/specifications, attend conferences and meetings to ensure that the project proceeds generally in accordance with the conditions of contract and keep the client informed and render advice on actions if required.

3.5.8. Ensure that the work at site proceeds in accordance with the contract documents/drawings. Derive and provide the weightages for every activity / stage for monitoring of construction progress.

3.5.9. Issue certificates of virtual completion of work and Structural Stability Certificate from Structural Consultant.

3.5.10. Issue list of points to be taken care by Occupants / Admin team related to upkeep /routine maintenance

Timeline (Stage-5): From the date of Order Confirmation / issue of PO: 24 Months

3.6. Completion (Stage 6)

- 3.6.1. Prepare and submit completion reports and drawings for the project as required and obtaining “Completion/Occupancy Certificate” from statutory authorities wherever required.
- 3.6.2. Issue three sets of As Built drawings and soft copies (Including services and structures).

4. PROFESSIONAL FEE:

In consideration of the professional services rendered by the Architect, he shall be paid professional fees in accordance with the following:

S.No.	Description	Unit	Value (In Rs.)
1.	Architectural consultancy services (as per scope defined). The said price is excluding service tax which is as applicable.	Lumpsum	

Note:

- i) The professional fee is exclusive of GST which is payable extra, as applicable.
- ii) TDS will be deducted from payments, as applicable.
- iii) For given scope of work no variation will be acceptable.
- iv) Price to be quoted for all the items. Payment will be made as per the above SOR.

5. EXPENSES TOWARDS DOCUMENTATION & COMMUNICATION CHARGES, INCIDENTALS,

The fees payable shall be inclusive of all travelling, boarding, lodging, documentation and communication charges and other incidentals and the Architect will be deemed to have his own arrangements for office Utilities, accommodation, transport etc.

6. Schedule of Payment:

For each of the services in the scope of work, the architect shall be paid in the following stages consistent with the work:

- 6.1. On signing of agreement and completion of Kick off meeting (at Jaipur): 5% of the total fees payable.
- 6.2. On completion of Stage 1 (Concept Design): 20% of total fees payable less payment already made on signing of agreement/KOM
- 6.3. On completion of Stage 2 (Schematic Proposal & Master Plan): 30% of total fees payable less payment already made at Stage 1
- 6.4. On completion of Stage 3 (Client’s Approval, Statutory Submissions, and Detailed proposal): 40% of total fees payable less payment already made at Stage 2
- 6.5. On completion of Stage 4a (Issue of tenders - except Public Buildings): 50% of total fees payable less payment already made at Stage 3
- 6.6. On completion of Stage 4b (Receipt and analysis of bids): 55% of total fees payable less payment already made at Stage 4a
- 6.7. On completion of Stage 4c (Statutory Compliances): 65% of total fees payable less payment already made at Stage 4b
- 6.8. During Construction Stage 5 (payable on Quarterly basis): 90% of total fees payable less payment already made at Stage 4

Progressive payments to be made as follows:

- i. On submitting of working drawings and details required for commencement of work at site: 70% of total fees payable less payment already made at Stage 4. On Completion of 25% of the work: 75% of total fees payable less payment already made at Stage 5
- ii. On completion of 50% of the work: 80% of total fees payable less payment already made at Stage 5
- iii. On completion of 75% of the work: 85% of total fees payable less payment already made at Stage 5
- iv. On virtual completion of work: 90% of total fees payable less payment already made at Stage 5.

After final acceptance of the project (Completion Stage-6) : 100% of the total fees payable less payment already made at Stage 5 as mentioned below:

- a) Upon occupancy (in parts or full) of the project (Completion stage-6a): 95% of the total fees payable less payment already made at Stage-5
- b) Balance 5% (100% of the total fees payable less payment already made at Stage-6a) as retention money / security deposit, to be released three months after occupancy (in parts or full) of the project.

Total: 100% of Total Fees

7. VARIATIONS:

For variations in project completion time or overall agreed scope of work and for any modification / change in drawings / specifications within the overall agreed scope of work, as suggested by client, no extra payment will be made. For major changes post design as per EIC requirement, compensation shall be decided on mutually agreed terms. The decision of Engineer-in-Charge, LNMIIT shall be final and binding.

8. CLIENT'S ROLES AND RESPONSIBILITIES:

The Client shall discharge all his obligations connected with the project and engagement of the Architect as follows:

- To provide detailed requirement of the project.
- To furnish specific conditions/statutory stipulations/codes of practice/schedule of rates etc. desired to be followed.
- To pay all the fees, levies, security deposits and expenses in respect of statutory sanction.
- To honor Architect's bill within 15 days of its submission.

9. EXECUTION OF THE ASSIGNMENT:

- The Architect shall keep the Client informed at regular intervals about the progress of work in his office
- The Architect shall be responsible for carrying out Survey and Soil Investigation from a reputed agency
- The Architect shall be responsible for the direction and integration of the consultant's work. The Architect shall make available the design calculations.
- The Architect will prepare the Bar Chart / Time Schedule (Bar Chart/PERT/CPM Network) which will be attached with the Tender Document and to be followed at the time of construction by the contractors for the completion of work.
- The Architect will derive and provide the weightages for every activity / stage and link it with the schedule to provide the weekly / monthly targets required to be achieved by the Contractor in order to complete the work within the stipulated time schedule.
- The Architect will provide the list of minimum requirements of Manpower, Equipment, and shuttering material required at the Project for its completion within stipulated time.
- The Architect shall supply to the Client adequate nos. of copies of drawings, specifications and documents as required during various stages of the work
- The Architect shall provide complete member wise calculation of reinforcement to LNMIIT.
- The Architect shall not make any deviations, alternations or omissions from the approved drawings involving financial implications without prior consent of the client
- The Architect shall, in consultation with the Client, Prepare a Time Schedule in respect

of various services to be rendered and discharge of Client's obligations.

- The frequency of review meetings at site shall be decided in the Kick-off meeting and to be adhered to.
- On completion of work, the architect will prepare and submit three sets of As Built drawings along with soft copies of drawings.
- Progressive payments shall be made by the client to the architect against any of the scheduled stages of payment, based on the quantum of work during that stage, as many be mutually agreed upon to between the client and the architect.
- Deductions shall be made from the fee of the Architect on account of penalty/liquidated damages as per the relevant rules and provisions.

Annexure-1: Summary of Phase-wise requirements (considering two phases)

Sr. No.	Item	Phase- 1	Phase-2	Area in Sq Feet (with calculations)
1	Research / Teaching Labs of 90-student capacity each, each of about 2754.56 Sq. Ft area	40 Nos. 110200 Sq. Ft.	40 Nos. 110200 Sq. Ft.	Phase-1: $40 \times 2755 = 110200$; Phase-2: $40 \times 2755 = 110200$ Total: 220400
2	Faculty / Research Staff / Visiting Scientists' Offices, each of about 127 Sq. Ft. area	160 (r) Nos. 20320(r) Sq Ft	160 (r) Nos. 20320 (r) Sq Ft	Phase-1: $160 \times 127 = 20320$ Phase-2: $160 \times 127 = 20320$ Total: 40640
3	Centre Lead / HoD / Dean Offices with office staff plus stores areas, (each about each about 254 Sq. ft.)	20 Nos. 5080 Sq Ft	12 Nos. 3048b Sq Ft	Phase-1: $20 \times 254 = 5080$ Phase-2: $12 \times 254 = 3048$ Total: 8128
4	A Small Data Centre of about 20000 Sq. Ft. area (10kx2)	10000 Sq Ft	10000 Sq Ft	Phase-1: 10000 Phase-2: 10000 Total: 20000
5	A modern Library of about 80000 Sq. Ft. (60k+20k), with closed, open and semi-open reading and collaborations spaces, innovation and hobby areas, research services area etc.,	40000 Sq. Ft.	40000 Sq. Ft.	Phase-1: 40000 Phase-2: 40000 Total: 80000
6	Lecture Theatres / Classrooms: 5.1: 10 Modern Lecture Theatres / Classrooms of 60 seating capacity, of about 1200 Sq Ft. each, 5.2: 20 (10x2) Modern Lecture Theatres / Classrooms of 100 seating capacity, of about 2000 Sq Ft. each,	10 Nos 10 Nos	0 No 10 Nos	Phase-1 $10 \times 1200 = 12000$ Phase-2 NIL Phase-1 $10 \times 2000 = 20000$ Phase-2 $10 \times 2000 = 20000$ Phase-1 $06 \times 2400 = 14400$

Notes:

1. ***In the revised plan for the Phase-1, we intend to construct about 2,89,686 Sq Ft. (instead of the originally planned area of 3,86,249 Sq. Ft. considered in Phase-1) of floor area, excluding any parking space as the architect might recommend (out of 4,80,000 Sq. Ft. in the Phase-1) of area in form of a multi-storied building, to conserve the space available for any future additions. This shall duly fit in about INR 100 Crore plan of Phase-1, even if the estimated overall costs go around INR 3500 per Sq Ft. inclusive of AC, UPS and basic fittings etc.***
2. **The period from approval by the Client to completion and handover to the Client for use would be 12-16 months. (Total execution time shall not exceed 24 months in any case.)**

Annexure-2: FACILITIES DESCRIPTION FOR the LNMIIT International Centre for Artificial Intelligence

The LNMIIT International Centre for Artificial Intelligence building is envisioned to be a aniconic, modern, energy-efficient and preferably smart building on the LNMIIT Campus. It shall be multistoried building to be located near the current sports ground close to the Main Road connecting the Institute to the city of Jaipur.

The total area available is 1,01, 56991 Sq. Ft. Please see the rightmost rectangular area on the attached Masterplan showing the exact location of the site of the proposed building. This area also needs to be developed, in phases, and incorporate state-of-the-art designs, horticulture and landscaping with services and utilities planned for all modern conveniences. It shall be good if not more than 40% of this area is used for the footprint of the proposed building of LICAI. We can go vertical higher as per need.

Conceptually, the building design should follow the principles of energy-conscious design regarding orientation, building materials, landscaping, and other elements. To the extent feasible, design should utilize energy-efficient technology and renewable energy resources, rainwater harvesting, solar power, garbage decomposition, etc. Architect to design the Master Plan as per the latest Govt of Rajasthan and Govt. of India regulations / acts as applicable and National Building Code (NBC).

The building shall also have required to be constructed (split into two or if necessary, in three phases) are given below:

- 80 (40 + 20 + 20) Research / Teaching Labs of 90-people capacity each, spread into multiple clusters across multiple floors each of about 2755 Sq. Ft. area,
- 320 (260+30+30) Faculty / Research Staff / Visiting Scientists' Offices, spread across multiple floors, each of about 130 Sq. Ft. area,
- 32 (12+8+12) Centre Lead/HoD/Dean Offices with office staff plus stores areas, each of about 260 Sq. Ft. area,
- A Data Centre of about 20000 Sq. Ft. area (10kx2),
- A modern Library of about 80000 Sq. Ft. (60k+20k), with closed, open and semi-open reading, study and collaborations spaces, innovation and hobby areas, research services area etc.,
- 10 Modern Lecture Theatres / Classrooms of 60 seating capacity of about 1200 Sq Ft. each,
- 20 (10x2) Modern Lecture Theatres / Classrooms of 100 seating capacity of about 2000 Sq Ft. each,
- 12 (6x2) Modern Lecture Theatres / Classrooms of 150 seating capacity of about 2400 Sq Ft. each,
- 08 (4x2) Modern Lecture Theatres / Classrooms of 250 seating capacity of about 2800 Sq Ft. each,
- A full floor of about 40000 Sq. Ft. for a modern co-working space based Start-up / Incubation Pad with meeting, conferencing and other rooms,
- A full floor of about 40000 Sq Ft. having a modern convention centre (Mini-Auditorium (01), Multiple (06) Seminar Halls (with flexible, movable partitions), business centre(01), a mini-studio with recording and editing facilities),
- A reception area cum waiting lounge on the ground floor,
- A housekeeping unit area,
- A cloak room,
- A sleeping pod or rest area (semi-open) on floors having research labs or a common sleeping pod / rest area (semi-open) area,
- A food court area for about 100 seats, with an open Pantry facility, Common facilities of Kitchen & Dining Area,
- A Sports Arena of about 40000 Sq. Ft. area including a modern 250 capacity Gymnasium, a Yoga & Meditation Hall, A Seminar Room, a Sports Engineering Centre etc.
- Building, Floor and Lab based Access Control provisions,
- Wi-Fi support in the entire building,
- Appropriate number of rest rooms / lavatories with at least one per floor having required support for differently abled / elderly,
- Parking for 400 (32-+80) cars and 100 two-wheelers,

- Air-conditioning Plants with room / area level granular control,
- Fire Safety provisions as per norms,
- Surveillance provision (integrable with existing system),

The period from approval by the Client to completion and handover to the Client for use would be 12-16 months. (Total execution time shall not exceed 24 months in any case.

Architect should plan the land area with maximum number of halls (in addition to above mentioned), which are feasible on meeting the statutory guidelines. The additional halls, exceeding from the requirements mentioned above may be taken up for construction at later stage.

The minimum points to be considered for design:

- High and Low side Electrical Services
- Power back-up requirements
- Earthing and Lightning arrestors
- All Internal and External services (Water Supply, Treated water supply, Sewerage, Storm, Electrical, Fiber To Home)
- Fire Fighting System with Wet Risers, Sprinkler system, potable fire extinguishers, emergency lighting, reflective stickers, signs in staircase etc.
- Centralized Addressable Fire Alarm System with Detectors, Hooters and MCPs.
- Lifts to be planned for the buildings. Coordination with Lift Agency for lift shaft parameters.
- Shafts to be planned for serviceability and restricted entry of birds
- Solar street Lighting
- Roads & Footpath
- Outside/inside Covered Parking, etc.

- An area for bank facilities (an electronic branch, couple of ATMs), a few shops for daily necessities, a medical centre OPD area to augment existing medical center or replace it (in the second phase),
- Landscaping
- Landscaping with complete Irrigation System (Sprinklers, Pop-ups, Swing joints, Valves, etc.) and Fountains.
- Green area development with walking or jogging tracks/ cycling lane; play equipment for kids, garden benches, fountains.
- A water body / tank to be designed for the excess treated water of Sewerage Treatment Plant. Its size and details to be worked out based on the water balance of the Project.

➤ Utilities & High side Services:

- The Utilities and services are to be designed for meeting the requirements, which are: High Side: Electrical Sub-station; Sewage Treatment Plant (STP); Over Head Tank; Under Ground Tank; Fire Pump Room; Building Management System; Modification of existing Electrical Sub-station for taking load of upcoming project; Design of Water Supply system from source for the water requirement of upcoming; Designing Garbage Processing Plant for Conversion of organic waste into manure. The garden waste and horticulture waste also to be converted into manure.

Low Side:

Design of Water Supply – Domestic & Non-domestic, Firefighting, Fire Alarm & Detection System, Sewer line, Storm/Flood line, Security Systems, Electrical system, Fiber To Home (Voice & Data), electronic data, voice & media communication system, solar street lighting, etc.

➤ Public Buildings / Places:

- Amphitheatre for organizing on-screen matches, stage programs / functions etc. (second phase)

- Auditorium with 1200 seating capacity (provision for the third phase)

Architect to provide Design, details, and Drawings for above as per the requirements raised by Client.

Figure 1.1 The LNMIIT Master Plan (LICAI site shown on the rightmost side in royal blue colour)



LICAI Phase-wise Requirements and Justifications of the Basic Requirements to support the detailed concept note prepared for the Architect

Murmu says tribal communities excited by her nomination for Prez

New Delhi: NDA candidate Droupadi Murmu, who is set to be elected as the President, said tribal communities are excited by her selection as nominee for the top constitutional post and promised not to let the country or the office down.



Presidential candidate Droupadi Murmu being greeted by BJP leaders at the NDA meet in Parliament building on Sunday

Addressing a meeting of NDA MPs, Murmu said, "I am thankful to the NDA leadership and all political parties who have supported me and given me this honour. You all have chosen me for a very important responsibility and I will work to strengthen the country's democratic values."

"It is a rare honour for me and I assure all of you that I will not let the country or the chair down," Murmu said. A Santhal from Odisha, Murmu is poised to win comfortably with numbers strongly stacked in her favour thanks to the support of several regional parties including BJD, RSSK, TDP and JMM. LJP leader Chirag Paswan, who had walked out of the alliance during the Bihar polls, was also present at the NDA's meeting along with members of the rival faction of the party founded by his father, late Ram Vilas Paswan.

However, both factions of Shiv Sena, who have declared their support to Murmu, didn't participate in the meeting. Although her victory was a foregone conclusion, she visited several states and met leaders from across political lines seeking their vote and support. She had also called on most of the opposition party leaders including Sonia Gandhi, Sharad Pawar, and Mamata Banerjee and sought their support. Presidential poll results will be declared on July 21 and the new President will take oath on July 24.

Monsoon session starts today, battle on Agnipath likely

Times News Network

New Delhi: The monsoon session of Parliament will begin on Monday amid indications that the opposition's demand for a discussion on the Agnipath scheme may be a flashpoint between the opposition and treasury benches.

At the all-party meeting convened on Sunday by parliamentary affairs minister Pradip Joshi, where the government was represented by defence minister Rajnath Singh and commerce minister and leader of Rajya Sabha Piyush Goyal, Congress, NCP, Shiv Sena and AAP demanded discussion on Agnipath, price rise, status of the Indian economy and the alleged misuse of investigation agencies to target opposition.

There are indications that the government may not agree to discuss the Agnipath Army recruitment reform scheme, aimed at bringing down the age profile of the armed forces, on the ground that it involves issues related to defence preparedness which cannot be put out in public domain. Sources said that the government may cite the same ground to refuse answers to questions related to the recruitment scheme in both Houses.

Joshi cited the row over unparliamentary expressions to buttress his point that the opposition triggered a fake controversy as such collections of words which are discouraged in legislatures have been brought out since 1954. This only shows that they don't have genuine issues, Joshi added. "Actually, there is no major issue against the government on Agnipath, it is functioning well under PM Modi's leadership and it is being handled in may elections," he added.

Leader of Opposition in Rajya Sabha, Mallikarjun Kharge, however, asked how 32 bills, lined up by the government as legislative business, will be discussed and passed in Parliament in 14 days.

Oppn-pick Alva to file nomination on Tuesday

Swati.Mathur@timesgroup.com

New Delhi: While Trinamool Congress was not represented at the opposition meet that announced Margaret Alva as the VP candidate, its MP Sudeep Bandyopadhyay attended an all-party meeting called by the government in Parliament on Sunday morning.

"We tried to contact West Bengal CM Mamata Banerjee but she was busy in some conference. We also tried to contact Delhi CM Arvind Kejriwal. His office told us that they will announce their support (for Margaret Alva) tomorrow or day after," NCP chief Sharad Pawar said.

AAP's decision to stay away from the opposition meet was consistent with its independent posturing in the presidential polls. It had announced its support to Yashwanth Sinha separately. Jha, Haryana's Mukti Morcha and Shiv Sena, both of which have announced their support to NDA presidential nominee Droupadi Murmu in the presidential polls, also backed Alva's candidature in the vice-presidential polls. The parties supporting Alva are Congress, DMK, SP, NCP, RJD, Shiv Sena, TRS, RSP, VCK, Kerala Congress (M), MDMK, IUML, CPI, CPDM, JMM, PJD and National Conference.

When asked what had led to the change of heart, Shiv Sena MP Sanjay Raut said, "Other parties like JMM also decided to vote differently in the presidential polls. But in this election, we are all together."

Alva's name, sources said, was proposed at Sunday's meeting by CPM general secretary Sitaram Yechury after both Congress president Sonia Gandhi and Pawar endorsed her candidature. When her name was proposed, some in the meeting raised apprehensions over whether she would agree, pointing to the 'Gopal Gandhi situation' where the opposition camp announced his name as its consensus

Trinamool skips oppn meet, doesn't endorse Alva as yet

Trinamool skipped the meeting of opposition parties in Delhi on Sunday that announced Congress leader Margaret Alva as its nominee for the vice-presidential post, and did not immediately endorse the proposal. Party leaders maintained that Bengal CM Mamata Banerjee would speak to her MPs on July 21 and TMC's position would be known only then. Though TMC did not attend the meeting of opposition leaders, the party did send its representative, Lok Sabha leader Sudip Bandyopadhyay, for a meeting convened by Union parliamentary affairs minister Pradip Joshi on the eve of Parliament session.

BJD supports Dhanekar after PM Modi leads Naveen

The Naveen Patnaik-led BJD, which has already thrown its weight behind NDA's presidential pick Droupadi Murmu, on Sunday announced its support for its VP nominee, Jagdeep Dhankhar. BJD's decision came minutes after PM Modi called up the Odisha CM to seek his support, reports Debraj Mohapatra. It must be noted that in 2017, while it had supported NDA's Ram Nath Kovind as its nominee, it had supported opposition's candidate Gopalkrishna Gandhi for the VP's post.

Alva's name, sources said, was proposed at Sunday's meeting by CPM general secretary Sitaram Yechury after both Congress president Sonia Gandhi and Pawar endorsed her candidature. When her name was proposed, some in the meeting raised apprehensions over whether she would agree, pointing to the 'Gopal Gandhi situation' where the opposition camp announced his name as its consensus

candidate for the presidential polls only to have Gandhi decline the offer. Alva, who is learnt to have been sounded off in advance, was then dialled and informed that the group had reached a consensus over her candidature. At this point, she agreed to enter the fray as the opposition nominee.

AIADMK backs Murmu, Dhanekar

A meeting of AIADMK legislators convened by the party's interim general secretary Edappadi K Palaniswami in Chennai on Sunday resolved to vote in favour of NDA candidate Droupadi Murmu in the 16th presidential election to be held on July 28. The AIADMK meeting lasted about an hour, and EPS, who spoke to reporters later, said, "This meeting was held to discuss modalities for the presidential election." A statement issued by the party later said it would also support NDA's VP candidate Jagdeep Dhankhar.

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In the matter of striking off or removal of names of companies under section 248 (2) of the Companies Act, 2013, of the companies, whose names are mentioned in "Table-A".

1) Notice is hereby given that the Registrar of Companies has received application from the mentioned companies (Table-A) under Section 248(2) of the Companies Act, 2013 for removal of their name (s) from the register of companies either on the ground that they have failed to commence business within one year of their incorporation or on the ground that the company(ies) is/are not carrying, on any business or operation for a period of two immediately preceding financial years and has/have not made any application (s) within such period for obtaining the status of a dormant company under Section 455 of the Companies Act, 2013 or the company(ies) have obtained the status of dormant company, but if/they do not wish to continue its/their registration as Companies and have, therefore, requested for removal/strike off of its/their names from the register of companies.

2) Accordingly, the Registrar of Companies proposes to remove or strike off the names of the mentioned companies (Table-A) from the Register of Companies.

3) Any person objecting to the proposed removal or striking off of name of the companies from the register of companies may send his or her objection to the office address mentioned here above within thirty days from the date of publication of this notice.

Table with 2 columns: S.No, CIN, Company Name. Lists various companies for removal from the register of companies.

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