



NAAC Accredited-2015
'B' Grade (CGPA 2.62)

**PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR
UNIVERSITY, SOLAPUR**

E - Tender

For

**Supplying and Erecting and Commissioning of
Passenger Lift (Machine Room Less) In
Computational Sciences Building**

TENDER FORM

TENDER FEE-Rs. 2000/-



NAAC Accredited-2015
'B' Grade (CGPA 2.62)

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Web –<http://su.digitaluniversity.ac>

e-tender notice, 2019-2020

PAH Solapur University, Solapur-413 255

1	Work Name	Supplying and Erecting and Commissioning of Passenger Lift (Machine Room Less) In Computational Sciences Building
2	Time Limit	2 Month
3	Blank Tender Cost	Rs. 2,000/- (Non Refundable)
4	EMD Amount	Rs. 14,800/-
e- Tender Time Table		
5	Tender Publishing Date	Date 27/08/2019 Time 05:00 p.m.
6	Tender Sale/Download Start Date and Time	Date 27/08/2019 Time 05:00 p.m.
7	Bid Submission Start Date and Time	Date 27/08/2019 Time 05:00 p.m.
8	Closing date and time	Date 13/09/2019 Time 06:00 p.m.
9	Date and place of online opening (Bid Opening Date)	Date 16/09/2019 Time 04:00 p.m.



Punyashlok Ahilyadevi Holkar Solapur University, Solapur

E-Tender Form

Supplying and Erecting and Commissioning of Passenger Lift (Machine Room Less) In Computational Sciences Building

1. Name of Bidder :
2. Full Address :
3. Mobile no :
4. E-Mail ID :
5. G.S.T. No. :
6. PAN No. :

Authorized Signatory:

Name:

Designation:

Name of Work - Supplying and Erection and commissioning of passenger Lift (Machine Room Less) of Computational Sciences Building Solapur University, on Gat.No. 38/ B, 39 (Part) at Kegaon, Solapur.

Item No.	Description	Qty	Unit	Rate	Amount
	Supplying and erecting and commissioning passenger, electrically operated automatic lift (Machine Room Less) with all equipment and required Micro processor Based V.V.V.F.ARD System to serve all floors as per plan Enclosed/approved for total required with carrying capacity of required passengers at single speed 1.25 m/sec with required openings and stops with manual/ without attendant, with speed resistance control including micro processor (EMPU) control for simplex down collective system for lift car, clear opening 900/1000mm x 2000mm high complete with SS car Cabin, SS door, (hair line finish) control panel duly wired with copper wire, control panel box of M.S. Sheet, electric motor of suitable HP., gear box, driving/ traction pulley driver for pulley if required over speed governor, electro- magnetic breaks, suspension wire rope, T-section adequate size guide rails, for car and counter weight, buffers and door frame etc erected with necessary steel work such as girders required for erecting machine in machine room, allied minor bldg. work such as door frames, for erecting door and scaffolding for erecting guide rails etc complete with testing including 3 years maintenance period. The lift shall be of required capacity & shall be with fire proof door. (This Lift is basically aimed to provide barrier free envirement for physically handicapped persons)				
	13 Passenger, 1.25 m/s 4 stops,4 Landings, Height of travel as per Drawing With specs as above (Including 18% GST)	1	Each	1480000.00	1480000.00
				Total Rs.	1480000.00
				Say Total Rs.	1480000.00

(Rs. Forteen Lac Eighty Thousand only)

MY/OUR PERCENTAGE WILL BE % ABOVE / BEOW / AT PAR

Architect

Owner

Contractor

The following conditions and requirement to be considered while submitting offer of the Lift.

The enclosed drawings and section shall be followed.

The shaft size is 2250 mm x 1950 mm which is under construction so it is very essential to visit the site and note the status of work . etc.

The offer shall include with all the G.S.T. and approval of P.W.D. etc.

The eletrical connection at site as required is provided by the authirity/ University.

The Lift shall comply all the provisions of Design mannual for a Barrier free Environment in Universities / College as per All India Council for technical information shalll be provided with the offer.

The Registrar will sign any document required for the approval of Lift with PWD, drawings approval/ commissioning etc.

The offer shall be given on the amount % above/below at per including 18% GST etc.

No any extra taxes and charges will be paid by us on above offer.

No conditional tenders will be accepted.

The tenders shall provide all the details, specification and drawings along with this offer.

The completion of Lift along with commissioning etc shall be done within 60 days /two months.

LIFT SPECIFICATION

Number Of Lifts/Type Of Lift

:

ONE / MINI SUKRANTI - MR - PASSENGER

Load /	:	13 Persons (884Kgs.) / 1.25 Mtr. Per Second
Speed	:	
Drive	:	MICRO PROCESSOR BASED VVVF
Travel / PIT / HEADROOM	:	12 METER / PIT 1700mm / HEADROOM 4800 mm
Number Of Floors	:	4 (G+2+T)
Floor Display Char	:	0,1,2,3
Number Of Landing Entrances	:	4 (G+2+T)
Number and Position of Car Entrances	:	1 (ONE), IN FRONT ONLY
Position Of Machinery	:	MACHINE ROOMLESS - GEARLESS
Size of Lift Well	:	2200 X 1900 X (MM Wide * MM Depth * MM Height * MM E-Value)
Lift Car Inside Size	:	1500 X 1450 X 2200 (MM Wide * MM Depth * MM Height * MM C-Value)
Clear opening of Gates / Doors / Lintel	:	900 X 2000 (MM Wide * MM Height) Lintel - 2200 mm .
Type or Design of Lift Car	:	STAINLESS STEEL - HAI
Additional Car Spec	:	
Car Ceiling - Car Floor	:	SLEEK (SMALL CIRCULAR LIGHTS) - SS HAIRLINE FINISH -PVC
Car	:	LED LIGHTS & SQUARE FAN - GRILL IN MATCHING COLOR
Fittings	:	
Type Of Car Front Entrance Protection	:	POWER OPERATED CENTRE OPENING SLIDING DOOR - STAINLESS STEEL - HAIRLINE FINISH
Land Entrance Protection (0,1,2,3)	:	CENTRE OPENING SLIDING DOOR - STAINLESS STEEL - HAIRLINE FINISH
Landing Door Frame (0,1,2,3)	:	STAINLESS STEEL - HAIRLINE FINISH
Type Of Control System	:	MICROPROCESSOR BASED SIMPLEX SELECTIVE COLLECTIVE CONTROL WITH / WITHOUT ATTENDENT
Electric Supply	:	AC 400/440 VOLTS, 3 PHASE, 50 CYCLES
Delivery Period / Time Of Erection	:	4 WEEKS / EX-WORKS / 4 WEEKS
Special Addition Spec	:	
Special Inclusions:	:	REFER ANNEXURE

Accepted

By.....

(Signature with Seal and Date)

TERMS AND CONDITIONS

DELIVERY:

Lifts shall fabricate all the components required for the (4) (FOUR WEEKS) , lift in about 1 (ONE) months on Ex-works and Supply basis upon the Customer:

- a) approves the General Arrangement Drawing submitted by Lifts.
- b) completes the Plastering of lift shaft walls (if enclosure walls are in brick).
- c) makes available the prescribed documents for submission of Form "A" to the Government Inspection Authorities wherever applicable for obtaining License for working.
- d) fulfils the Payment terms as mentioned in clause for ordering of materials.

In the event of the Customer not meeting with the above conditions mentioned in clause II sub-clauses 1 (a) to (d) and site not being made ready as per the above requirement, Lifts reserves the right to defer the date of dispatch of materials and subsequent activities .

ERECTION:

Lifts shall commence the erection, wiring and testing of the lift upon handing over of the Lift Well by the Customer after completion of all civil portion of the work and upon compliance of the conditions mentioned in clause II above. The erection period shall be reckoned from the date on which the liftwell is handed over to us. The time required for completion of the erection work is (4) (FOUR WEEKS).

If the handing over of the site as specified in clause II above is delayed by the Customer, then the supply and installation will also be deferred and thus in eventuality, the site completion will also be delayed. In view of this, the Customer shall grant Lifts the necessary extension in the completion period in writing without imposition of any further conditions.

Lifts shall not be responsible for delayed delivery or handing over of the lift, if:

- The Customer did not observe the terms of payment in time as mentioned in clause....
- The Customer fails to fulfil the obligations as specified under preparatory work in clause II are not fulfilled in time
- The formalities such as statutory approvals are delayed due to non-payment of fees by the Customer.
- The Customer fails to provide necessary technical details or the approved layout drawings, etc. to Johnson Lifts in time.

The above delivery and erection periods are given in good faith based on present day working conditions and are subject to extension to cover delays due to Force Majeure conditions. The Customer shall not be entitled to claim damages for any loss directly or indirectly due to delay in delivery.

HANDING OVER :

In order to minimize inconvenience to both the parties, The BUYER shall provisionally take over the symbolic possession of the lift as soon as the erection is completed after testing by our erection crew and adjustment of the lift and Lifts shall give you a notice one week prior to the official taking over of the lift. The Buyer shall not use the lift until such time the Lift is officially handed over by Johnson Lifts to the BUYER.

Any use or attempt to use the LIFT by the Customer or with the help of any third party between the period of provisional handover and official handover is strictly prohibited and the SELLER shall not be held responsible in case of any injury to person or damage to lift or its components.

TAXES & DUTIES :

All taxes and duties applicable to your Tender shall be included all taxes , GST etc.

WARRANTY AND GUARANTEE TERMS

The equipment offered is covered by Lifts's usual guarantee for two year from the date of handing over the lift in good working condition or thirty six (36) months from the date of supply of material at site whichever is earlier.

FREE SERVICE:

Periodical Service for the first 24 months will be carried out after the Lift has been handed over or offered for inspection. The date of commencement of free service will remain unchanged irrespective of any delay in building completion, availability of permanent power supply, inspection, taking over or commencing the use of the Lift.

LIFT OBLIGATION

In addition to the supply of all the Lift Materials as per specifications, we agree to perform the following When applicable.

THE CONTRACTOR OBLIGATIONS

The Offer includes the following items and the contractor shall be responsible to provide the below mentioned requirements.

- * Scaffolding, Planks and ladders to site requirements.
- * Fees paid for inspection of the Lift by the Lift Inspector or Electrical Inspector or any other fees charges by the surveyor or Corporation or Municipality or other Government agencies.
- * Wiring of main and earth wires from the source of supply to the machine room terminating in a TPIC switch fuse.
- * Provide power supply in the lift machine rooms during the installation and for permanent operation of elevators; electric power of 415V 50Hz 3 Phase and 240V 50Hz 1 Phase terminating in suitable main switches for power and lighting circuits with necessary breakers accessories like MCB's (rating as mentioned in our General arrangement drawing), suitable earthing leads and other protective devices necessary to meet legal code requirements.
- * To supply & install suitable rated voltage stabilizer in the lift machine room for each elevator, to accommodate voltage fluctuation beyond +7 % or -7% of the equipment rated voltage.
- * RSJ for supporting the winding machine
- * If specifications like telephone, piped music, BMS Contacts, is being supplied in the elevators, then we will terminate the wirings for the same in the respective lift machine rooms, all subsequent works / wiring and including supply and installation of telephones, speakers etc., will have to be carried out by other contractors.
- * The lift power wiring (Armoured cable) should be taken out side lift shaft. The single phase wiring for lift and bulk head fitting also to be taken from ground floor to lift machine room separately for each lift.
- * Suitable living accommodation for the erection crew (complete with light, running water and sanitary facilities) at or near the site.
- * Unloading and storing of material at site.

LIFT SPECIFICATION (ANNEXURE)

SPECIAL INCLUSIONS :

- 1 Battery Operated Emergency Light And Alarm Bell
- 2 Call Register Signal And Vf Door Operator
- 3 Landing Push Button In Landing Door Frames
- 4 Automatic Rescue Device
- 5 Full Car Operating Panel
- 6 Orange Colour Square Dot Matrix Indicator
- 7 Firemans Switch
- 8 False Ceiling In Car
- 9 Infra Red Door Screen
- 10 Overload Warning Indicator
- 11 Scaffolding
- 12 3 Way Intercom / Press And Speak Phone
- 13 Free Service For One Year
- 14 Unloading Charges
- 15 Pit Ladder
- 16 Ss Handrail On Rear Side
- 17 Stainless Steel Braille Button With S.S. Cover

Accepted by : _____

(Signature with seal and date)

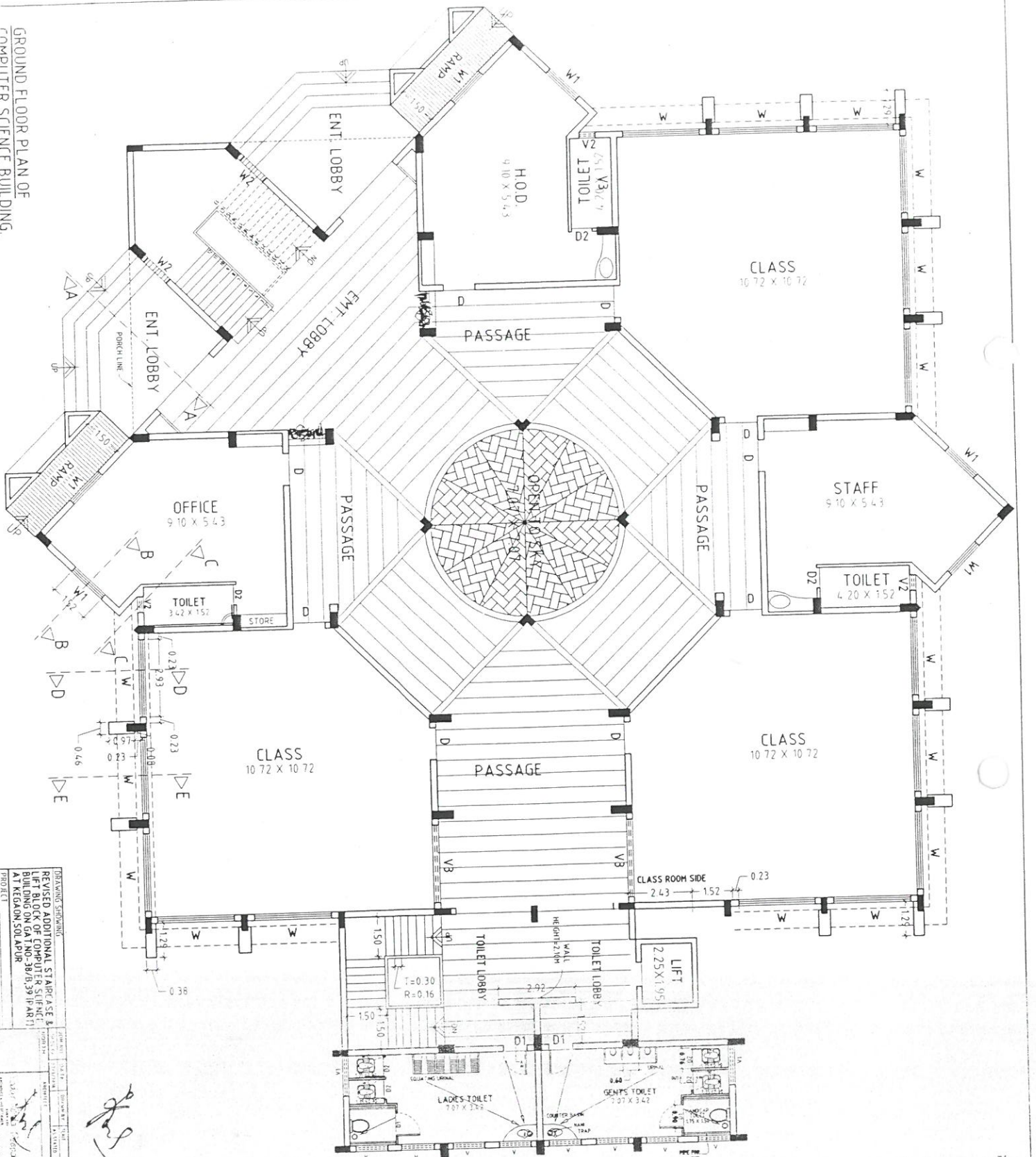
AUTHORISED SIGNATORY.

Name of the Person Signed

**Designation of the person signed
if signed for Company / Corporate Body**

Attatchment Documents By Purchaser

1. Govt. Electrical Contractor License.
2. Govt. Lift Erection License.
3. Local Maintenance Office Address & Contact Details.
4. GST Details.
5. Company PAN No.
6. PF/ESI Registration Documents.
7. Work Experience Certificate.
8. Yearly Financial Turn Over Certificate.
9. ISO Certificate.
10. Shop Act License.
11. Certificate of Incorporation.

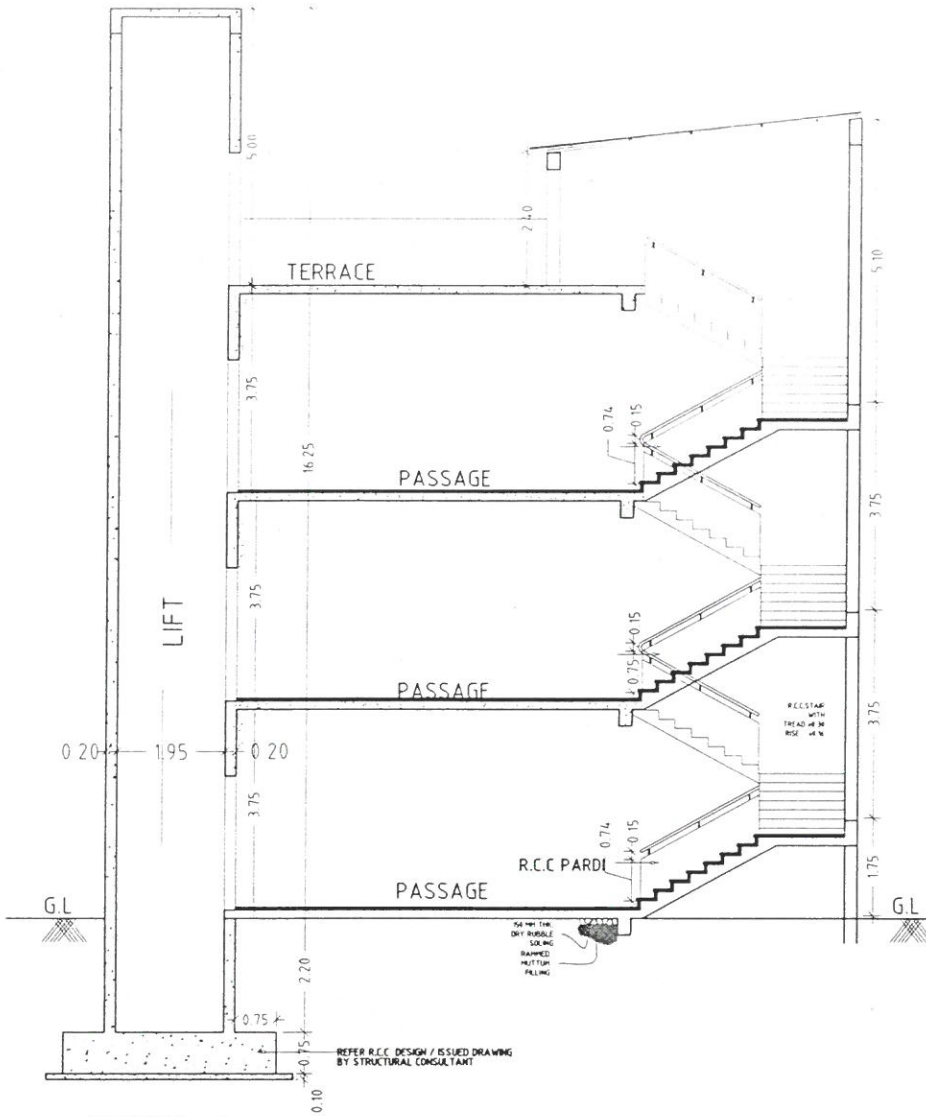


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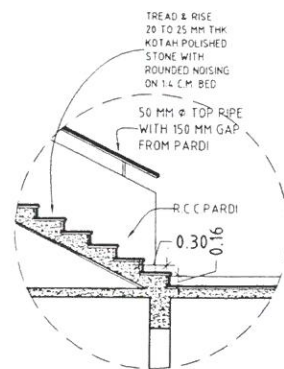
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NOTES

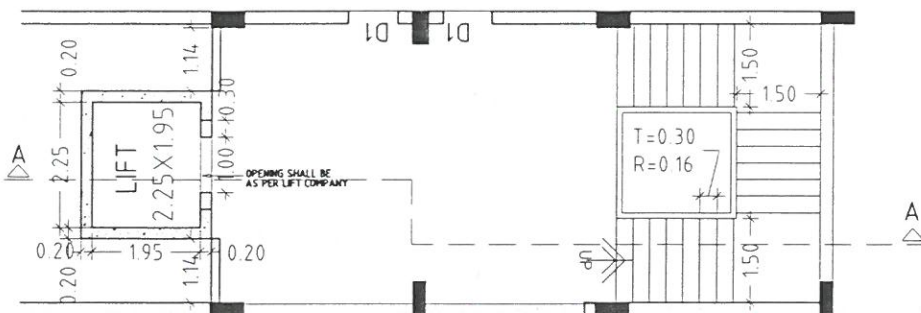
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. THE DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER WORKING DRG. AND STRUCTURAL ENGINEERS DRG.
4. THE CONTRACTOR HAS TO VERIFY ALL DIMENSIONS AT SITE.
5. THIS DRG IS THE PROPERTY OF THE OFFICE. SHALL NOT BE COPIED OR REPRODUCED WITHOUT PRIOR PERMISSION FROM THIS OFFICE.



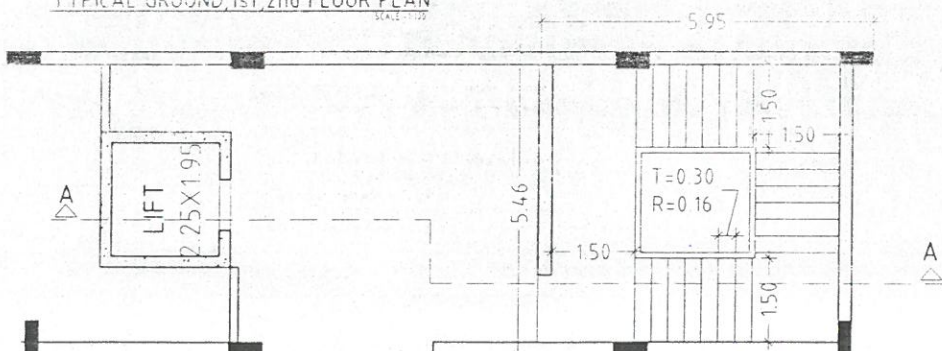
SECTION A - A
SCALE - 1/100



RAILING DETAILING IN SECTION
SCALE - 1/25



TYPICAL GROUND 1st 2nd FLOOR PLAN
SCALE - 1/100



TERRACE FLOOR PLAN
SCALE - 1/100

NO. DATE ISSUED TO.

R2 10-4-2018 REVISED STAIRCASE AS PER R.C.C. DRG
R1 22-3-2018 REVISED LIFT SIZE CHANGE AS PER DISCUSSION

REV. NO. DATE. CHANGES MADE.

DRAWING SHOWING

STAIRCASE DETAIL OF PROPOSED COMPUTER SCIENCE (MULTI CLASS ROOM) BUILDING ON GAT.NO-38/B.39 (PART) AT KEGAON, SOLAPUR

NORTH NAME OF WORK.

DRG. NO. REV. NO.

SCALE AS STATED

DATE 20/4/2018

JOB NO 950

DRAWN BY

ANU

SOLAPUR UNIVERSITY, SOLAPUR

ARCHITECT. Yashraj Konda, Deepak Konda

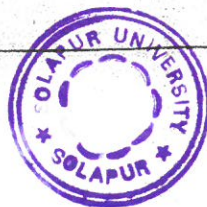
ARCHITECT & INT. DESIGNER 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 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Design Manual for a Barrier Free Environment in Universities/Colleges

For All India Council for Technical Education (AICTE)

Presented by SVAYAM FOUNDATION
&
CBR NETWORK



2. ELEVATORS/LIFTS

1. PROBLEM IDENTIFICATION

- ☐ Inadequate space inside the elevator cab.
- ☐ High position of switches, buttons and control panel.
- ☐ Narrow entry doors & Low lighting inside the lift
- ☐ Insufficient opening time interval

2. Purpose-

- ☐ To provide well-dimensioned and convenient lifts to allow free vertical access between different floors

3. DESIGN CONSIDERATIONS

3.1 General

An accessible lift should serve all floors and its location should be clearly indicated and recognizable. The arrival at each floor should be indicated both by optical and acoustic means to alert passengers with visual and hearing impairments.

3.2 Dimensions

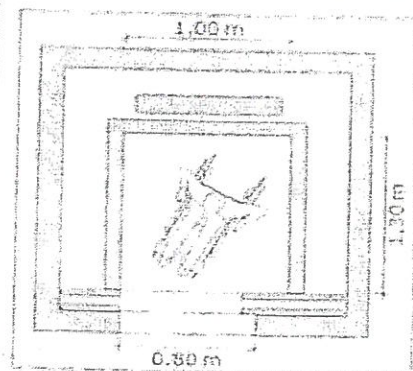
Internal Dimension of a lift

- ☐ Minimum internal dimensions of 1.30 m x 1.00m allowing access for one person using a wheelchair and turning a full circle, or two people using a wheelchair side by side.

- ☐ The clear opening width of the doors should be

a

minimum of 0.80 m, preferably 0.85 m



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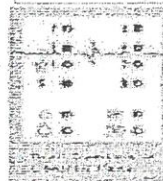
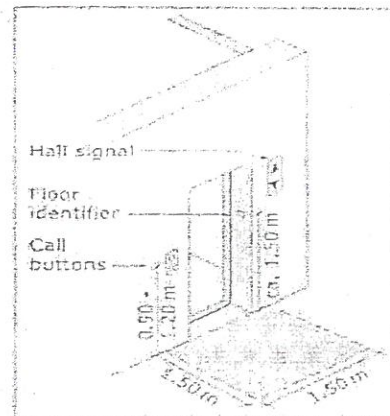
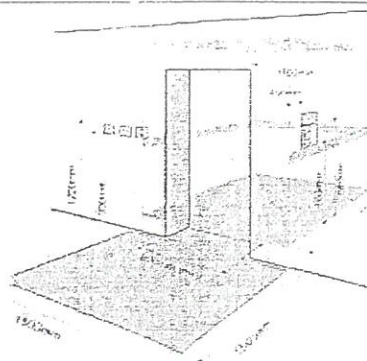


Lift Cabin

- ☐ Handrails inside lift should be installed mounted 0.80 m to 0.90 m from the floor.
- ☐ A mirror placed at a height of 0.40 m up to 1.60 m in opposite of the door provides an important orientation aid for wheelchair users.
- ☐ The internal light should provide a level of illumination of minimum 100 lux

Control Panels

- ☐ The control panel should be positioned on the flank wall rather than front wall to facilitate access. In larger lift, control panel option can be placed on both the flank walls.
- ☐ Call buttons should be located in between 0.90-1.20 m
- ☐ The numerals should be embossed to be easily identifiable by touch, particularly the alarm button. It is desirable to repeat the legend in Braille
- ☐ The lift hall signal should be located at an approximate height of 1.80 m
- ☐ A clear landing area of minimum 1.50 m x 1.50m in front of the lift doors should be provided



Useful suggestions-

- ☐ The door opening interval should be no less than five seconds. Re-opening activators should be provided.
- ☐ The elevator should signal arrival at each floor by means of a bell and a light to alert sightless and hearing-impaired passengers simultaneously.
- ☐ The floor of the elevator and the area in front of the elevator on each floor should have

non skid resilient surface or a low-pile fixed carpet.

- ☐ The color of the elevator door should contrast with the surrounding surface so as to be easily distinguishable by persons with visual impairments.



DR. ANIL K. J. 212

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