



Bhavan's

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(Founded in 1958 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi)

आ नो भद्रा : कृतवो यन्तु विश्वतः ।

Let noble thoughts come to us from every side

SARDAR PATEL INSTITUTE OF TECHNOLOGY

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai - 400 058, India

E mail: principal@spit.ac.in Website: www.spit.ac.in

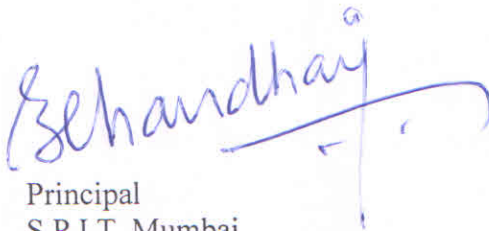
EST/CCTV/SPIT/2022/01/97
dt. 15/03/2022

Date: March 15, 2022

TENDER NOTICE

Bharatiya Vidya Bhavans' Sardar Patel Institute of Technology located in Bhavan's Campus at Munshi Nagar, Andheri (W), herein referred to as "S.P.I.T. Mumbai" invites sealed tenders to design, supply, commission, and test & maintain surveillance system at S.P.I.T. Mumbai, from authorized and reputed dealers/contractors/firms engaged in installation of security and surveillance systems, herein after referred to as 'The Vendor' and having a minimum of three years experience in this field. This tender document is available on institute website or can be requested on aditigaikwad@spit.ac.in. Interested agencies can submit tender on or before March 30, 2022 by email to principal@spit.ac.in.

[Twenty two March]


Principal
S.P.I.T. Mumbai

Principal

Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
Munshi Nagar, Andheri (W),
Mumbai-400 058.

Technical Specification

ANNEXURE-I

| Sr No | Device Description | Qty | Specification | Additional information |
|-------|---|-------|---|---|
| 1 | Network IR Fixed Dome Camera | 143 | 2 MP Resolution, upto 20 mtr range Dahua - DH-IPC-HDW-1239T1-LED-S4 Hikvision - DS-2CE5AD0T-IRP Honeywell or equivalent | To be installed at Staircase and each floor of SP-IT Building including main lift lobby area and indoor parking areas |
| 2 | Network Bullet Cameras | 14 | 2 MP Resolution, upto 40 mtr range Dahua - IPC-HFW-2239M-AS-LED-B-S2 Hikvision - DS-2CE12DFT-F Impact by Honeywell or equivalent | Coverage of Corridor on each floor |
| 3 | Varifocal Bullet Camera | 2 | 4 MP | Coverage of parking areas and Entrance |
| 4 | 32 Channel NVR. | 6 | Dahua /Hikvision | |
| 5 | Hard Disk | 5 | 6 Terrabyte Segate Hard Disk | Storage of 15 days |
| 6 | 24 Channel Commercial switch POE long distance for surveillance applications-Two layer-42Series | 6 | Two layer-42Series | for surveillance applications |
| 7 | 16 Port Poe Switch - Two Layer -Long Distance | 3 | 32 Channel NVR | |
| 8 | 16 Port Giga Switch | 1 | | |
| 9 | 50 Inch TV | 1 | | |
| 10 | Wiring Cat 6 Cable with conduit and labour +Cat6 wire(Approximate) | 10000 | | |
| 11 | RJ 45 Connectors and Camera Mounting box with HDMI Cable and outdoor camera protection | 145 | | |
| 12 | Rack | 9 | | For Mounting of NVR and switches with exhaust for cooling/Lock and Key Protection. |
| 13 | Installation Commissioning and onsite Support inclusive during duration of contract | | | |

Description of CCTV Camera installation job work at S.P.I.T. Mumbai Building:

| Sr. No. | Description of Area | Total Quantity |
|---------|--|---|
| 1 | Indoor Area of Ground Floor | Dome – 10 |
| | Outdoor Area of Ground Floor | Dome – 6 Bullet – 5 Bullet Varifocal - 2 |
| 2 | Indoor Area of First Floor | Dome – 9 |
| | Outdoor Area of First Floor | Dome – 7 Bullet – 2 |
| 3 | Indoor Area of Second Floor | Dome – 16 |
| | Outdoor Area of Second Floor | Dome – 6 Bullet – 3 |
| 4 | Indoor Area of Third Floor | Dome – 13 |
| | Outdoor Area of Third Floor | Dome – 7 Bullet – 1 |
| 5 | Indoor Area of Fourth Floor | Dome – 13 |
| | Outdoor Area of Fourth Floor | Dome – 7 Bullet – 1 |
| 6 | Indoor Area of Fifth Floor | Dome – 11 |
| | Outdoor Area of Fifth Floor | Dome – 5 Bullet - 1 |
| 7 | Indoor Area of Sixth Floor | Dome – 10 |
| | Outdoor Area of Sixth Floor | Dome – 4 Bullet – 1 |
| 8 | Indoor Area of Seventh Floor | Dome – 5 |
| | Outdoor Area of Seventh Floor | Dome – 3 |
| 9 | Outdoor Area of Eighth Floor Indoor Area of Eighth Floor | Dome – 1 Dome - 7 |
| 10 | Terrace on Floor 4 th , 6 th and 8 th | Dome -3 |
| | TOTAL (159) ➔ | Dome –143 Bullet – 14 Bullet Varifocal – 2 |

Detailed Description of CCTV Camera installation job work at S.P.I.T. Mumbai Building

| Floor | Location | Camera Nomenclature | Total No of CCTV Cameras | Type of Camera |
|--------------------------------|---|---------------------|--------------------------|-------------------------|
| Ground Floor Total = 23 | FE Computer LAB (001) | OD1 | 1 | Dome |
| | Exam Section (002) | OD2-OD3 | 2 | Dome |
| | Lift -1 Open Space | OD4 | 1 | Dome |
| | Staircase Landing (between Gr and 1 st Floor outside washroom) | OD15 | 1 | Dome |
| | Corridor (Outside 001 & 002) | OD5 | 1 | Dome |
| | Corridor (Outside 001 & 002 – at SPCE passage) | OB1-OB2 | 2 | Bullet |
| | Main Entrance | OB3-OB4 | 2 | Bullet |
| | Main Entrance (First Floor Balcony) | OBV1-OBV2 | 2 | Bullet Varifical camera |
| | Corridor (between main entrance and SPCE quadrangle) | OB5 | 1 | Bullet |
| | Principal Cabin (004) | OD6 | 1 | Dome |
| | Committee Room (005) | OD7 | 1 | Dome |
| | Office(006) | OD8-OD9 | 2 | Dome |
| | Lift-2 Open Space | OD10 | 1 | Dome |
| | Staircase landing (between Gr and 1 st Floor -washroom) | OD16 | 1 | Dome |
| | Seminar Hall (008) | OD11-OD12 | 2 | Dome |
| | Language Lab (009) | OD13 | 1 | Dome |
| | Corridor (Outside Seminar Hall) | OD14 | 1 | Dome |
| First Floor Total = 18 | Class Room (101) | 1D1 | 1 | Dome |
| | Staff Room (102) | 1D2 | 1 | Dome |
| | Gymkhana (103) | 1D3 | 1 | Dome |
| | Lift-1 Open Space | 1D4 | 1 | Dome |
| | Corridor (Outside 102-103) | 1D5 | 1 | Dome |
| | Corridor (Outside 102 & 103 – at SPCE passage) | 1B1 | 1 | Bullet |
| | Staircase landing (between 1 st and 2 nd Floor- outside washroom) | 1D6 | 1 | Dome |
| | TPO (104) | 1D7 | 1 | Dome |
| | Conference Hall (105) | 1D8-1D9 | 2 | Dome |
| | Corridor (Outside TPO) | 1D10 | 1 | Dome |
| | Lab (106) | 1D11 | 1 | Dome |
| | Lab (107) | 1D12 | 1 | Dome |
| | Class Room (108) | 1D13 | 1 | Dome |
| | Lift-2 Open Space | 1D14 | 1 | Dome |
| | Staircase landing (between 1 st and 2 nd Floor- outside washroom) | 1D15 | 1 | Dome |
| | Corridor (Outside 106-107) | 1D16 | 1 | Dome |
| | Outside 106 & 107 – at SPCE passage | 1B2 | 1 | Bullet |
| Second Floor Total = 25 | Classroom (201) | 2D1 | 1 | Dome |
| | Workshop (202) | 2D2 | 1 | Dome |
| | Lab (203) | 2D3 | 1 | Dome |
| | Corridor (Outside 203) | 2D4 | 1 | Dome |
| | Outside 203 – at SPCE passage | 2B1 | 1 | Dome |
| | Lift-1 Open Space | 2D5 | 1 | Dome |
| | Staircase landing (between 2 nd and 3 rd | 2D6 | 1 | Dome |

| | | | | |
|--------------------------------------|--|--|-----------|----|
| | | Floor washroom | | |
| | | Library (204) | 2D7-2D16 | 10 |
| | | Corridor outside Library | 2B2 | 1 |
| | | Lab (205) | 2D17 | 1 |
| | | Lab (206) | 2D18 | 1 |
| | | Classroom (207) | 2D19 | 1 |
| | | Corridor (Outside 205-207) | 2D20 | 1 |
| | | Outside 205 – at SPCE passage | 2B3 | 1 |
| | | Lift-2 Open Space | 2D21 | 1 |
| | | Staircase landing (between 2 st and 3 rd Floor washroom | 2D22 | 1 |
| Third Floor Total = 21 | | Lab (301) | 3D1 | 1 |
| | | Staff Room(302) | 3D2 | 1 |
| | | Lab (303) | 3D3 | 1 |
| | | Lift-1 Open Space | 3D4 | 1 |
| | | Staircase landing (between 3 rd and 4 th Floor washroom) | 3D5 | 1 |
| | | Corridor (Outside 301-303) | 3D6 | 1 |
| | | Sever Room | 3D7 | 1 |
| | | Lab (304) | 3D8 | 1 |
| | | Classroom (305) | 3D9 | 1 |
| | | Lab (306) | 3D10 | 1 |
| | | Classroom (307) | 3D11 | 1 |
| | | Lab (308) | 3D12 | 1 |
| | | Classroom (309) | 3D13 | 1 |
| | | Corridor (Outside 304-309) | 3B1 | 1 |
| | | Lift-2 Open Space | 3D14 | 1 |
| | | Staircase landing (between 3 rd and 4 th Floor washroom) | 3D15 | 1 |
| | | Lab (310) | 3D16 | 1 |
| | | Lab (311) | 3D17 | 1 |
| | | Lab (312) | 3D18 | 1 |
| | | Corridor (Outside 310-312) | 3D19 | 1 |
| | | Terrace outside PDC Cell PDC Cell | 3D20 | 1 |
| Fourth Floor Total = 21 | | Classroom (401) | 4D1 | 1 |
| | | Lab(402) | 4D2 | 1 |
| | | Lab(403) | 4D3 | 1 |
| | | Lift-1 Open Space | 4D4 | 1 |
| | | Corridor (Outside 401-403) | 4D5 | 1 |
| | | Staircase landing (between 4 th and 5 th Floor –washroom) | 4D6 | 1 |
| | | Lab(404) | 4D7 | 1 |
| | | Classroom (405) | 4D8 | 1 |
| | | Lab(406) | 4D9 | 1 |
| | | Classroom (407) | 4D10 | 1 |
| | | Lab(408) | 4D11 | 1 |
| | | Classroom (409) | 4D12 | 1 |
| | | Corridor (Outside 404-409) | 4B1 | 1 |
| | | Lift-2 Open Space | 4D13 | 1 |
| | | Staircase landing (between 4 th and 5 th Floor –washroom) | 4D14 | 1 |
| | | Lab(410) | 4D16-4D17 | 2 |
| | | Staff Room(411) | 4D15 | 1 |

| | | | | |
|---------------------------|---|------|---|--------|
| | Lab(412) | 4D18 | 1 | Dome |
| | Corridor (Outside 410-412) | 4D19 | 1 | Dome |
| | Corridor between 410 and lift | 4D20 | 1 | Dome |
| Fifth Floor Total = 17 | Classroom (501) | 5D1 | 1 | Dome |
| | Lab(502) | 5D2 | 1 | Dome |
| | Lab(503) | 5D3 | 1 | Dome |
| | Corridor (Outside 501-503) | 5D4 | 1 | Dome |
| | Lift-1 Open Space | 5D5 | 1 | Dome |
| | Staircase landing (between 5 rd and 6 th Floor –washroom) | 5D6 | 1 | Dome |
| | Lab(504) | 5D7 | 1 | Dome |
| | Classroom (505) | 5D8 | 1 | Dome |
| | Staff Room (506A) | 5D9 | 1 | Dome |
| | Staff Room (506B) | 5D10 | 1 | Dome |
| | Lab(507A) | 5D11 | 1 | Dome |
| | Tutorial Room (507B) | 5D12 | 1 | Dome |
| | Lab(508) | 5D13 | 1 | Dome |
| | Corridor (Outside 504-508) | 5B1 | 1 | Bullet |
| | Classroom (509) | 5D14 | 1 | Dome |
| | Lift-2 Open Space | 5D15 | 1 | Dome |
| | Passage between 4 th and 5 th floor | 5D16 | 1 | Dome |

| | | | | |
|--------------------------------|--------------------------------------|---------|---|--------|
| Sixth Floor Total = 15 | Classroom (601) | 6D1 | 1 | Dome |
| | Staff Room (602) | 6D2 | 1 | Dome |
| | Lab(603) | 6D3 | 1 | Dome |
| | Corridor (Outside 601-603) | 6D4 | 1 | Dome |
| | Lift-1 Open Space | 6D5 | 1 | Dome |
| | Staircase landing – outside Washroom | 6D6 | 1 | Dome |
| | Lab(604) | 6D7 | 1 | Dome |
| | Classroom (605) | 6D8 | 1 | Dome |
| | Lab(606) | 6D9 | 1 | Dome |
| | Tutorial Room 607A | 6D10 | 1 | Dome |
| | Tutorial Room 607 B | 6D11 | 1 | Dome |
| | Lab(608) | 6D12 | 1 | Dome |
| | Classroom (609) | 6D13 | 1 | Dome |
| | Staircase landing – outside Washroom | 6D14 | 1 | Dome |
| | Corridor (Outside 604-609) | 6B1 | 1 | Bullet |
| Seventh Floor Total = 8 | Classroom (701) | 7D1 | 1 | Dome |
| | Lab(702-S1-S2-S3) | 7D2-7D4 | 3 | Dome |
| | Lab(703) | 7D5 | 1 | Dome |
| | Lift-1 Open Space | 7D6 | 1 | Dome |
| | Corridor (Outside 701-703) | 7D7 | 1 | Dome |
| | Staircase landing outside Washroom | 7D8 | 1 | Dome |
| Eighth Floor Total = 8 | Corridor outside 801 | 8D1 | 1 | Dome |
| | Lab – 6, Conference Hall - 1 | 8D2-D8 | 7 | Dome |
| | Terrace- 4 th Floor Slab | | 1 | Dome |
| | Terrace- 6 th Floor Slab | | 1 | Dome |
| | Terrace- 8 th Floor Slab | | 1 | Dome |

TERMS AND CONDITIONS:

1. The work consists of decision, supply, Installation, testing, commissioning of Closed Circuit Television (CCTV) system in accordance with the technical specifications, terms and conditions mentioned in tender documents.
2. The specification of the equipment supplied should be equivalent or higher than the specifications mentioned in the tender document and the vendor should specify the brand/model/make in their technical offer.
3. The cameras installed should cover maximum area.
4. The tender(s) received after the due date shall be summarily rejected, and not taken into consideration.
5. All product brochures, technical documentation/specifications of CCTV cameras, NVR and LED TV should be enclosed with the quotation.
6. Complete specifications of the items should be given with the name of the manufacturers in the quotation / tender. Offers' vaguely described or incomplete offers are liable to be ignored.
7. Conditional/Unsolicited tenders shall not be considered.
8. If required, the bidder can be called for an on-site demo to evaluate the quality of recording and video file outputs of the quoted CCTV equipment before it is approved.
9. The prices quoted in the Financial Bid should be inclusive of all the charges. The breakup of basic prices & taxes should be clearly given. The vendor should quote the prices for providing complete solution. After placing the order, S.P.I.T. will not pay any extra amount which is not mentioned in the financial bid.
10. After successful installation and testing, vendor has to impart the training without any cost to the officers of the Department to operate the equipment.
11. All the Tender documents should be signed by the Vendor to accept all the terms & Conditions.
12. The bidders are requested to quote for both options.
(A) CAPEX Model where Installation of CCTV Camera and commissioning of Cable is

to be done by the Institute.

(B) OPEX Model(Renting Model) where Service Provider does Installation of CCTV

Camera, commissioning of Cable and maintenance during contract

Institute is open to have OPEX model for maximum 8 years through institute financial funds.

Ground floor = 0

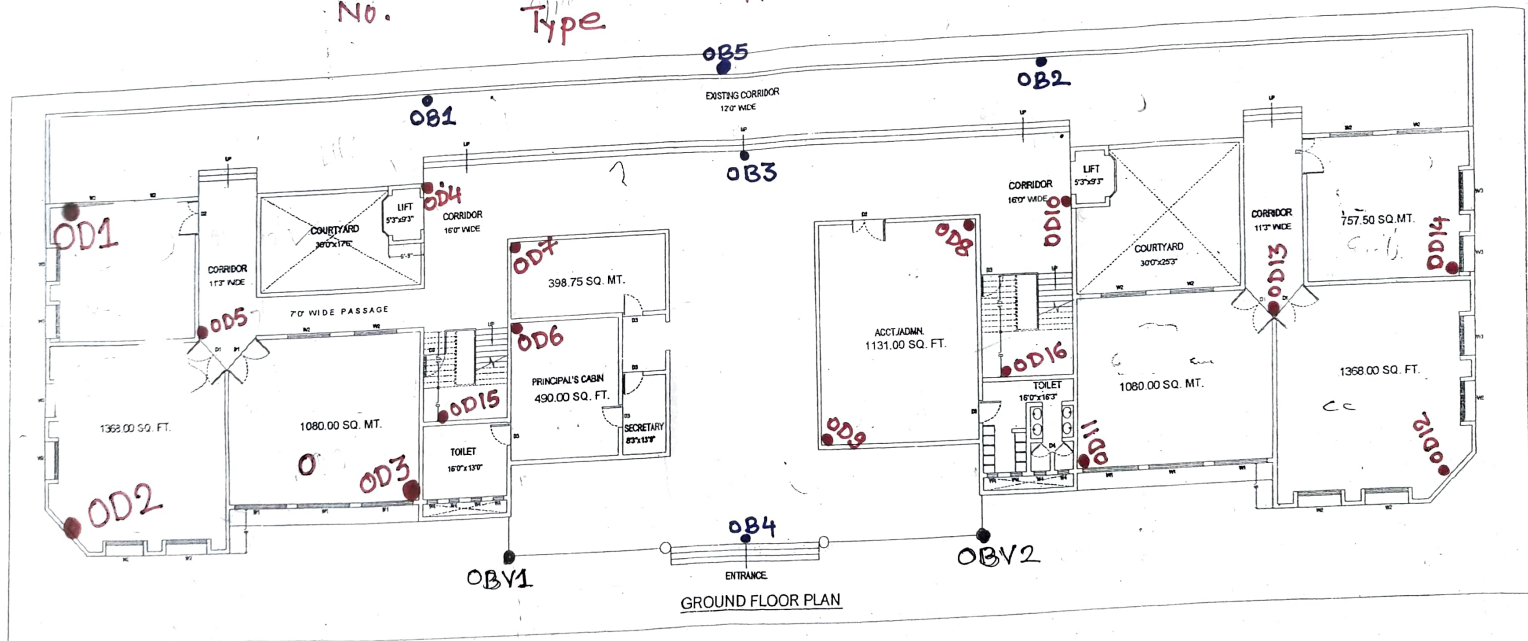
floor No. → OD1 → Camera Type → Camera No.

Camera Type

D-Dome = 16

B-Bullet = 5

BV-Bullet Verifocal = 2



Blk B- Black

First
A000

Camera Type

camera
no.

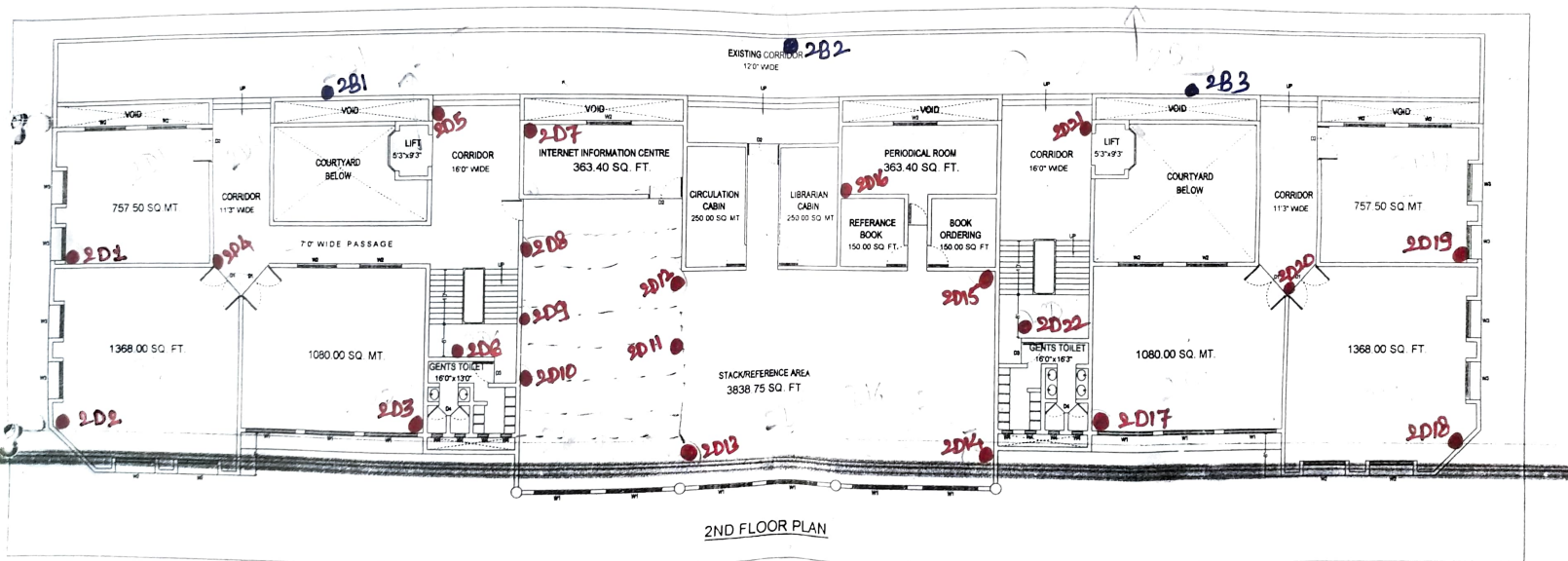
consider



FIRST FLOOR PLAN

D = Dome 22
B = Bullet = 3

Second floor
2D1
camera type
camera no.



3rd floor

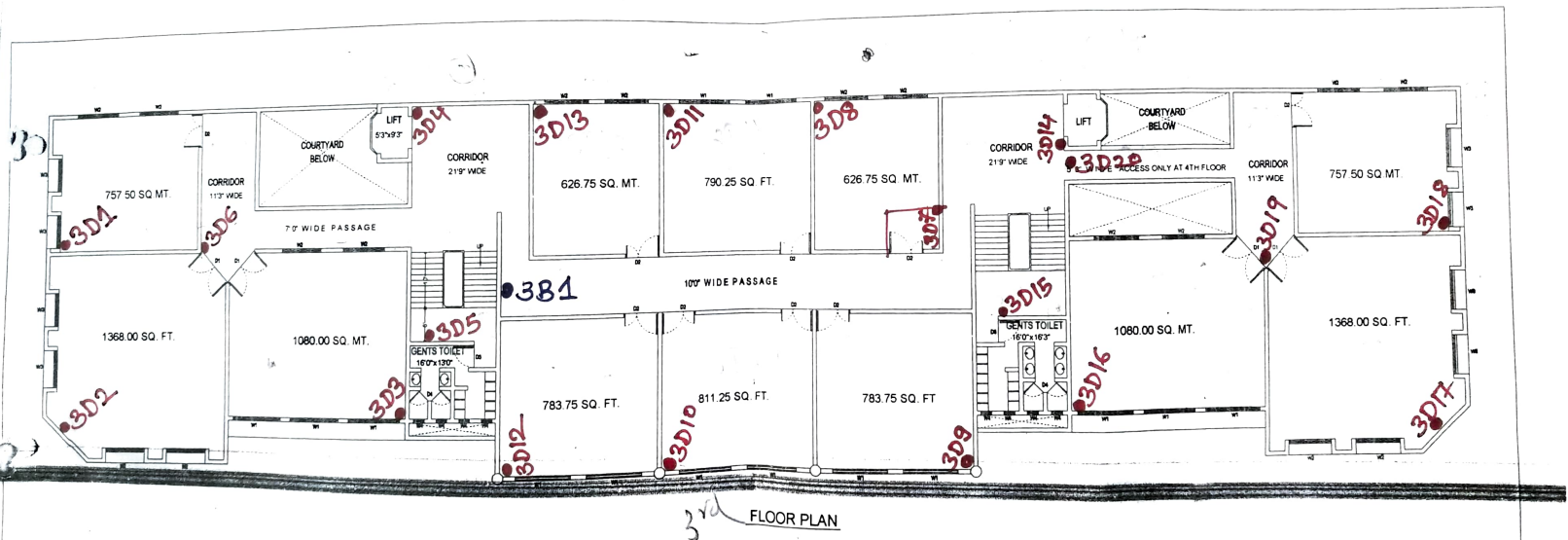
3D1

Camera Type

D-Dome = 20

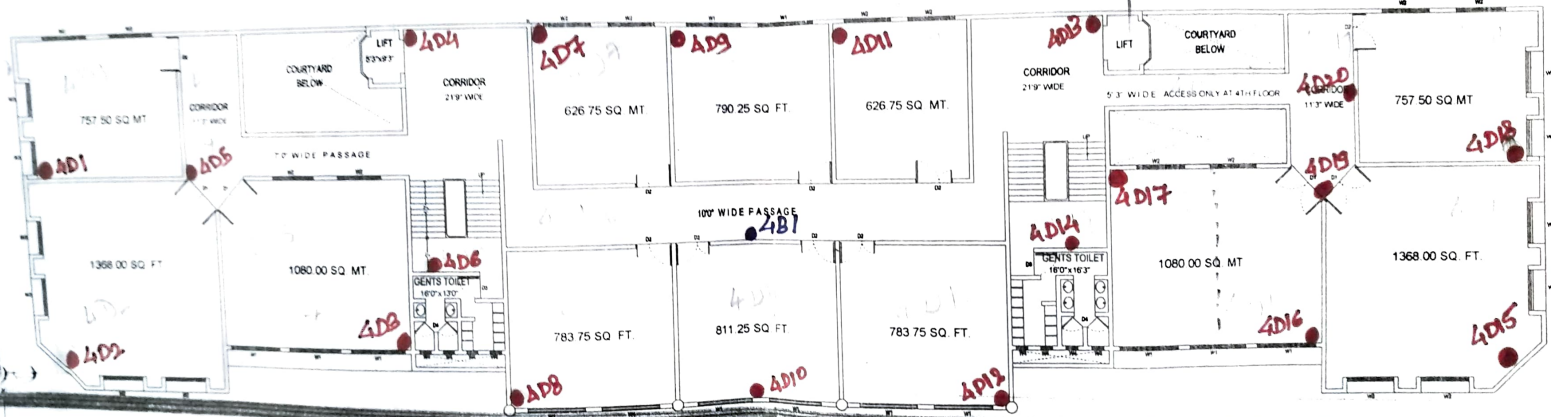
B-Bullet = 1

BV-Bullet Verifocal



B = Bullet = 1
D = Dome = 20

4th Floor
Camera Type
Camera No.



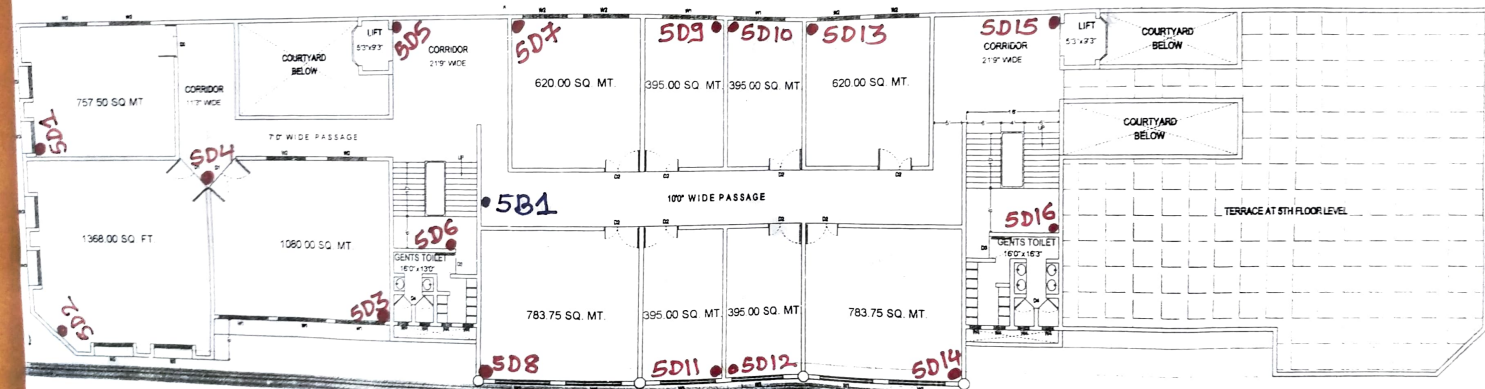
FLOOR PLAN

4th Floor Plan

5th floor

5D1

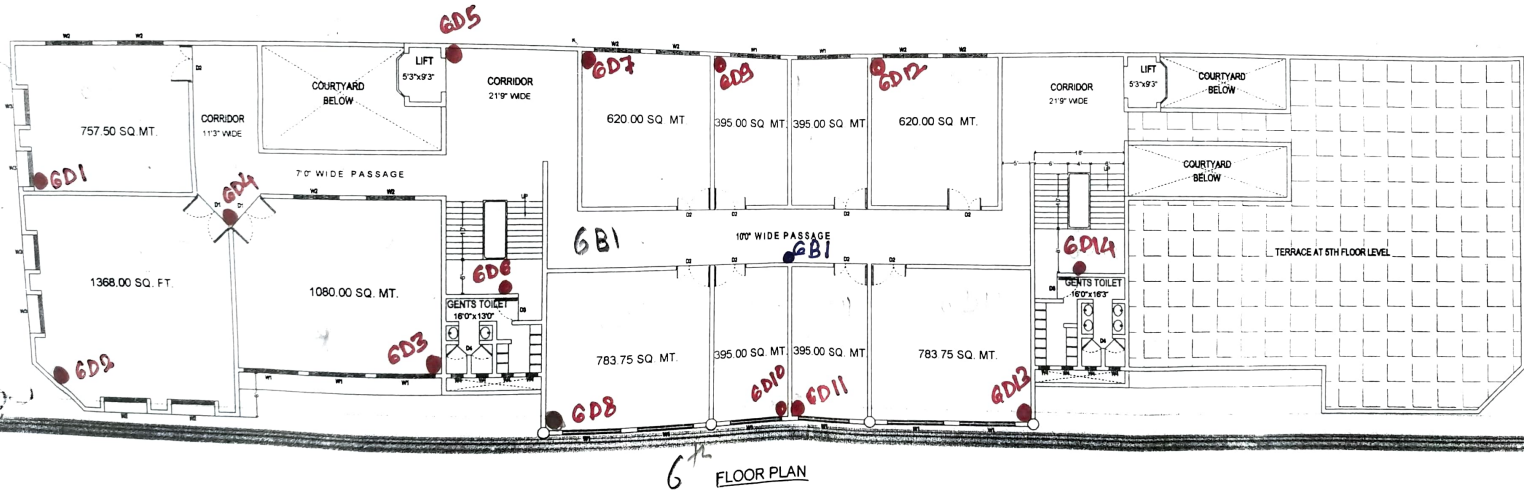
D-Dome = 16
B-Bullet = 1
Terrence - 1 Dom



FLOR PLAN

D = Dome = 14
 B = Bullet = 1
 Terrace = 1 Dome

6D1
 Sixth Floor ← Camera Type → Camera No.



Sixth Floor Plan.

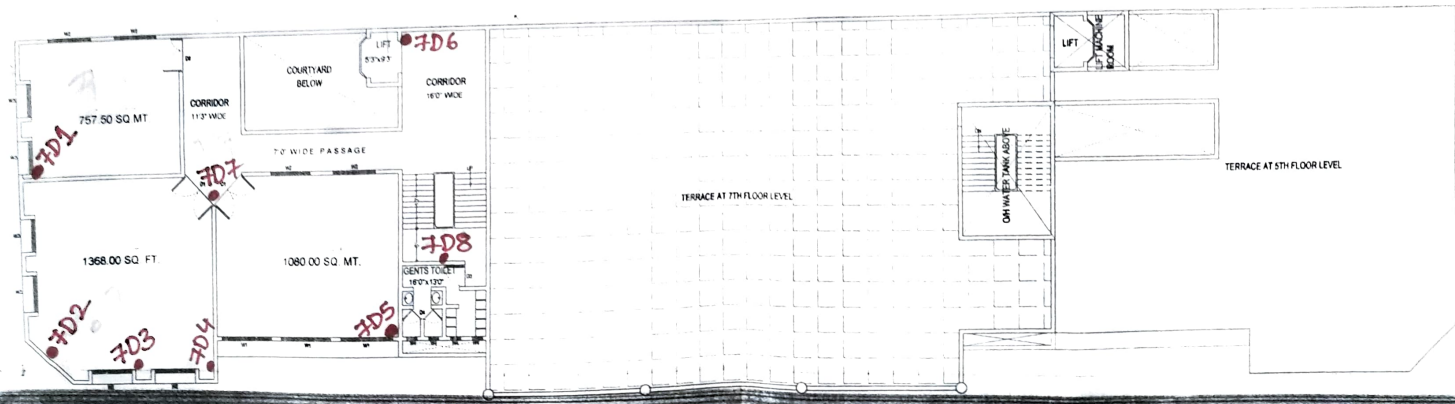
7th floor

7D1

101

D = Dome = 8

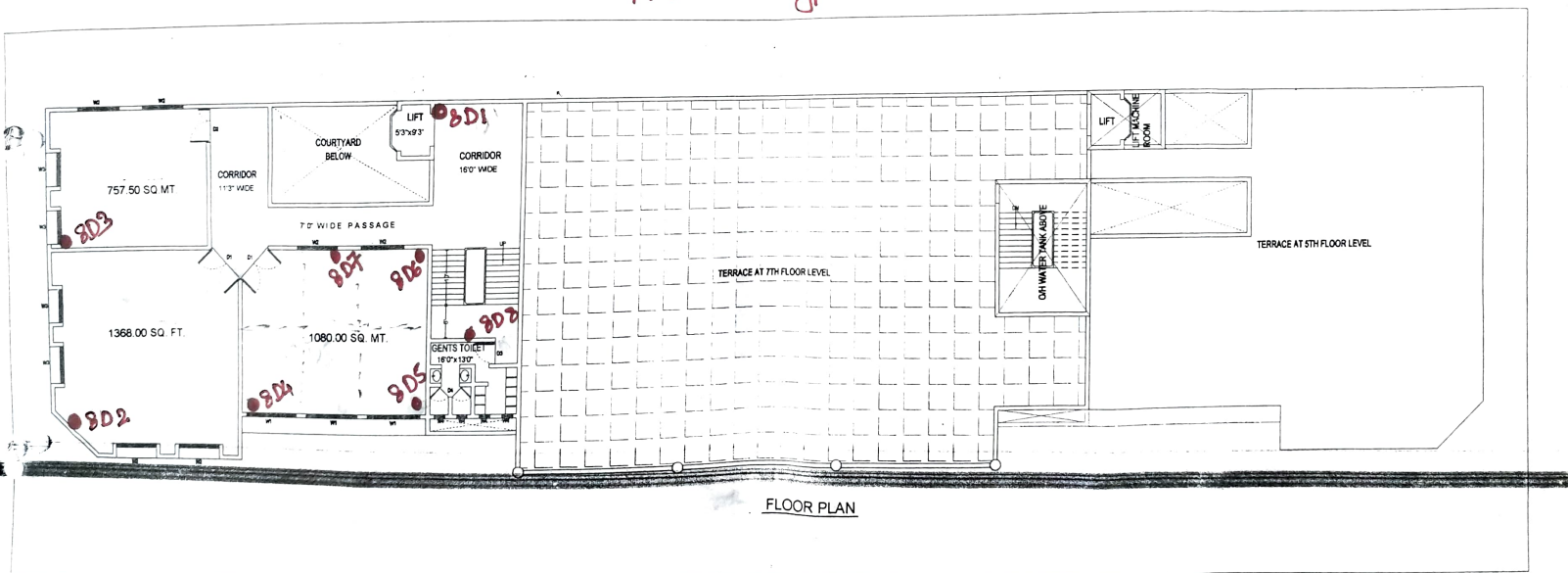
Terrace = 1 Dome



7th FLOOR PLAN

Donne = 8
Bullet = 0

8 D 1
8th Floors ←
Camera Type ↓
Camera No. →



8th Floor Plan.