Directorate of Urban Administration and Development, M.P.

Bhopal

Check List (53 Points) of fire Installation proposal/Plan

(Fire NOC)

1	Name of the building	**ST. MARY CO-ED SCHOOL AT ITARSI**
2	Address of the Building	KHA NO. 64/9,66/2,69/11 VILLAGE DEHRI, JAMANI ROAD, ITARSI (M.P.)
3	Name and Address of builder/promoter	Archdiocese of Bhopal
4	Name and Address of owner/occupiers of Individual Flats.	Archdiocese of Bhopal
5	Plot Area a. Title b. Land use	 19546 SQ.MTR. SCHOOL
6	Covered area (at grade level)	2,485.56 SQ. MTR.
7	Height of the building	9 Mtr.
8	a. Overall height (from grade level) b. Approved/Provisional set back areas conforming to building bye-laws are as follows :	a. 9 Mtr. b. Yes
9	a. Number of basements (Please Indicate level below grade in each case) b. If basement extends beyond the building line, please indicate the load bearing strength of the roof of basement. c. Area of basement d. Whether any piazza is proposed? If so, details of the level of piazza and ramps etc. be indicated	Nil.
10	Number of Floors (including ground floor)	Ground +2 FLOOR
11	Occupancy (Use-please mention separately for basement & floors)	SCHOOL
12	Covered area of typical floor of bldg. Blocks.	G.F. – 2,485.56 SQM
13	Parking areas (please give details)	Open ground 945 SQM
14	Details of surrounding property features	EAST- Green Valley Colony WEST-Village Dehri, Indian oil NORTH- Satpuda iti SOUTH- C.P.E. Boundary wall
15	Approach to proposed building, width of the road and connecting roads, if any	7M. Wide Road
16	Please give details of water supply available exclusively for fire fighting.	10,000L. Tank
17	Has wet riser(s) been provided? If so, please indicate the number of risers and internal dia of each.	N.R.
18	Has any down comer been provided? If so, please give details.	N.R.
19	Please indicate the present arrangement for replenishment of water for fire fighting.	Bore well & Municipal Supply
20	Is a public or other water storage facility available nearby? If so, please give the capacity and distance from your building, also please indicate	Govt. Water Tank 2 K.M. Away

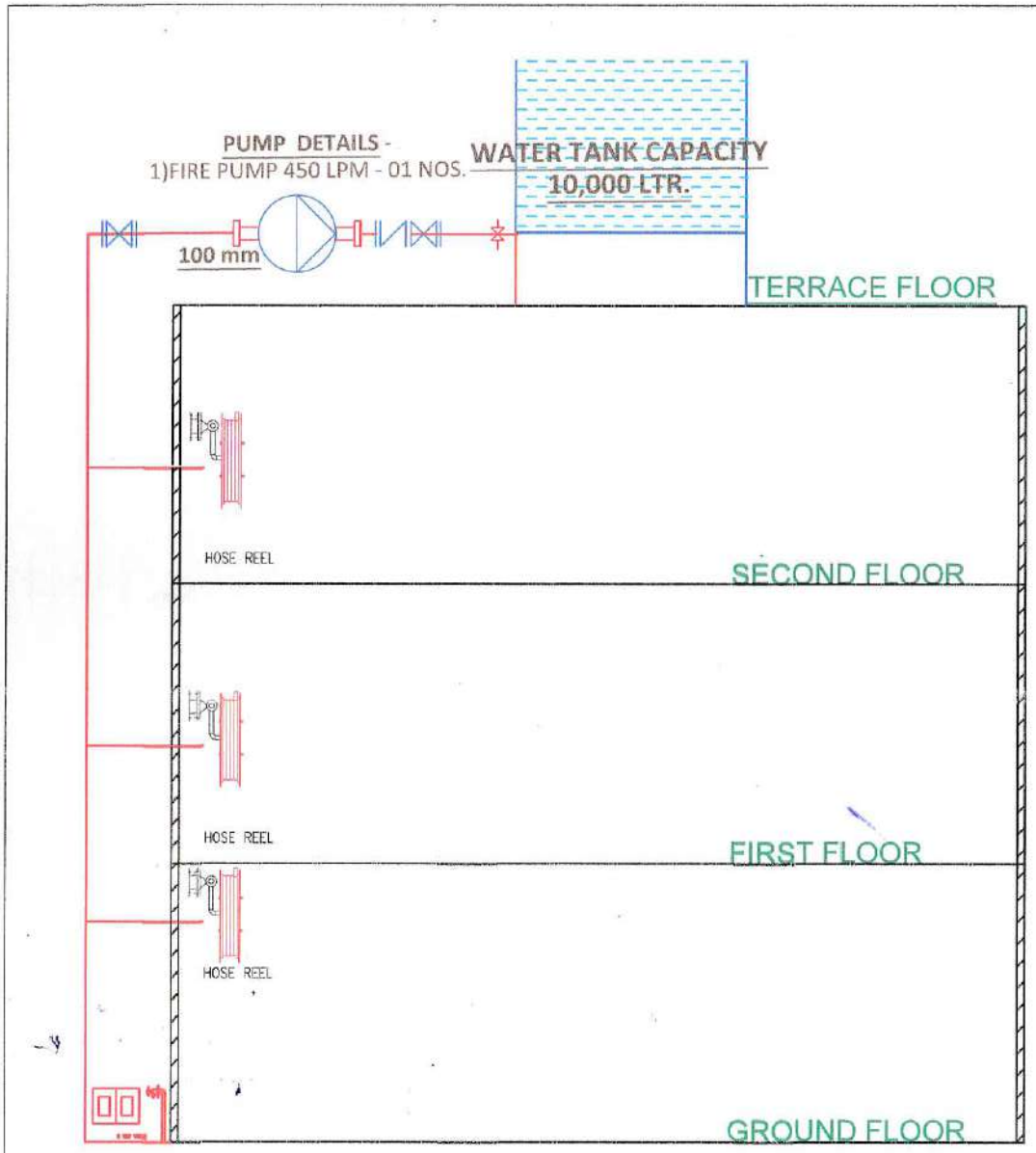
	if it is readily accessible.	
21	Please give any other information that you can, regarding available of water supply for fire fighting.	N.A.
22	Have internal hydrants been provided If so, please indicate no. of hydrants on each floor including basement(s) and terrace.	N.R.
23	Have first add-hose reels been provided? If so, please indicate: a. No. of hose reels on each floor including basement(s) b. Bore and length of hose-reel tubing on each reel. c. Size (bore) and type of nozzle fitted to each hose reel. d. Is the hose reel connected directly to the riser or to the hydrant outlet?	Yes a. 3 Nos on each floor b. 30mm x 30 mtr. c. 25 mm Shut Off Nozzle d. Yes
24	Has fire hose been provided near each hydrant? If so, please indicate a. The type of hoses b. The size (bore) of hoses. c. The length of each hose d. Total number of hoses provided near each hydrant.	Yes RRL type Is 636 Type – A 63 mm Dia. 15m 01 No.
25	Have branch pipes been provided? If so, please Indicate a. The type of branch pipes b. Size of nozzle fitted to each branch	Yes Short type 63 mm IS 903 20mm.
26	a. If the basement is used for car parking or storage, has it been sprinkled? b. Whether any cubicals proposed in the basement? If so, the area of each cubical be indicated? c. Whether segregation/compartmentation of the basement has been provided? If so, please indicate	No No No
27	Is the building equipped with automatic fire detection and alarm system? If so, please indicate: a. The type of detectors used b. The standard to which the detectors confirm c. The code to which the installation confirms.	N.R.
28	Have manual call boxes been installed in the building for raising an alarm in the event of an outbreak of fire? If so, please give details	Yes
29	Has public address system been provided between the various floors and the fire control room in entrance lobby?	Yes telephonic
30	Has an intercom system been provided between the various floors and the fire control room in entrance of the building?	Yes
31	Has a fire control room be provided in the entrance lobby of the building?	No
32	How many staircases have been provided in the building? Please indicate in each case: a. Width of the stairway b. Width of the treads c. Height of the rigors d. if the treads are of the non-slip type.	03 NOS 1500 mm 300 mm 150 mm Yes
33	What is the average occupant load per floor?	Variable 300-500
34	How many lifts have been installed in the building? Please indicate in	

	each case. a. The floors between which the lift runs. b. The type of doors fitted to the lift car and at each landing c. Fire resistance rating of lift car and landing doors, if known. d. Floor area of the lift car. e. Loading capacity of the lift car. f. Has communication system been installed in the lift for car? g. Has a Fireman's switch been installed in the lift for grounding it in the event of fire?	Nil.
35	Have any stationary fire pump(s) been installed for pressurizing the wet riser? If so, please indicate a. The number of pumps b. The size of suction and delivery connection of each pump c. The output of each pump. d. The maximum head against which the pump can operate at the output mentioned at (c) e. Is the pump automatic in action?	Yes 1 Nos 1 MAIN PUMP-450 LPM Suction – 80mm Delivery – 100mm AUTOMATIC IN ACTION.
36	Has a standby source of power supply been provided? Lift is through a generator, please indicate a. the capacity (output) b. the functions that can be maintained simultaneously by the use of generator, such as operating lift(s) fire pumps emergency lighting etc. c. Is the generator automatic in action or has to be started manually?	Diesel Generator available (yes) a. 1500 K.V.A. b. Fire Pump, Emergency light c. Automatic
37	Has any yard hydrant been provided from the building's fire pump?	Not Required
38	Where more than one lifts are installed in a common enclosure have individual lifts been separated by fire resisting walls or 2 hours fire rating?	Not Applicable
39	Has the lift shaft(s) lift lobby or stairwell been pressurized? If so, give details.	No
40	Have the lift lobbies and staircase been effectively enclosed to prevent fire/smoke entering them from outside at any floor?	No
41	Have all exists and direction of travel to each exit been sign-posted with illuminated signs?	Yes
42	Has a false ceiling been provided in any portion of the building? If so, please indicate location and also mention if the material used for the false ceiling is combustible or non-combustible.	No
43	Is the building centrally air-conditioned? If so, please indicate a. The material used for construction of duct and its fittings. b. The type of tinning used for ducts, if any c. The type of lagging used, if any for insulating any portion of the duct, please alsoindicate how the lagging is secured. d. If false ceiling is provided, please give information as at 42 above e. If plonum is used a return air passage has it been protected with fire detectors? Please give details.	No

	f. Has a separate AHU been provided for each floor? g. Whether automatic shut down of AHU is coupled with detection system? h. Is the ducting for each floor effectively isolated or is it continuous or more than one floors? i. Are the fire dampers being provided?	
44	Where are the switchgear and transformers located? If inside the building, please indicate. a. If the switchgear and transformer(s) have been housed in separate compartments, effectively separated from each other and from other portion of the buildings by a four hours fire resistive wall? b. What precautions have been taken to prevent a possible fire in the transformer(s) from spreading?	Switchgear and transformers Are located Outside The Building
45	I Where electric cables, telephone cables, dry/wet risers/down comers pass through a floor or wall have the spaces (apertures) round the cables/pipes been effectively sealed/plugged with non-combustible, fire resistant material? II Ventilation a. Whether natural ventilation is relied upon? If so give details of the vents for the stairwell, lift shaft. b. Whether mechanic ventilation has been proposed? If so, give details of the proposed system indicating the number of air changes for the basement and other floors. c. Whether mechanical ventilation is coupled with automatic detection system? Please give details of the system.	I Yes II. Yes As Per NBC And Mpbvr 1984 N.A. N.A.
46	Please indicate the number and type of fire extinguishers provided at various indications and the arrangement for the maintenance of the extinguishers.	1)ABC type Fire Extinguisher 4 kg4/6 kg – 12 no's As Per ISO-2190 2005 2)CO2 type Extinguisher 4.5 kg – 1 no's (In electric room And Near Screen)
47	Please indicate if all fire extinguishers bear the ISI certification mark.	Yes as per IS 2190:2010
48	Whether the refuge area has been provided? If so, the floor on which provided and the total area provided floor-wise.	No
49	Are the occupants of the building systematically trained in fire prevention, use of fire extinguishers and emergency procedures? If so, please give details.	Shall be trained
50	Does an emergency organization exist in the building? If so, please give details and append a copy of the emergency (Fire) orders	Yes
51	Has a qualified Fire Officer been appointed for the building either individually or jointly with other building(s)	No

52	Has the building been protected against lightening? If so, does the lightening protect confirm to any code? Please indicate details.	Yes As Per NBC 2005 Part 4 & IS 2309-1989
53	The work has not been started on site and construction will be started only after final approval of the Competent Authority the position of construction site is given below:	Building Constructed

Owner's Signature	Fire consultant's signature
MANGAER St. Mary's Co-Ed School Jamani Road ITARSI 461111 Hoshangabad (M.P.) Date 01/04/2024	ER. JAY PRAKASH SONI, FIRE ENGINEER GOVT.AUTH. FIRE CONSULTANT REG. NO. BFS/2022/2677 MO.9425068629 BETUL (M.P.)



TYPICAL FIRE FIGHTING LAYOUT SECTION PLAN

PROPOSED FIRE PLAN FOR

ST.MARY CO-ED SCHOOL AT ITARSI

KHA NO. 64/9.66/2.69/11

VILLAGE DEHRI JAMANI ROAD ITARSI (M.P)

TOTAL PLOT AREA. = 19546 SQ.MTR

BUILD UP AREA AT GRADE LEVEL. = 2,485.56 SQ.MTR

SYMBOL	DESCRIPTION
	HOSE REEL
	MANUAL CALL POINT
	MS PIPE
	HOSE BOX
	2 WAY VALVE

DRAWN BY-

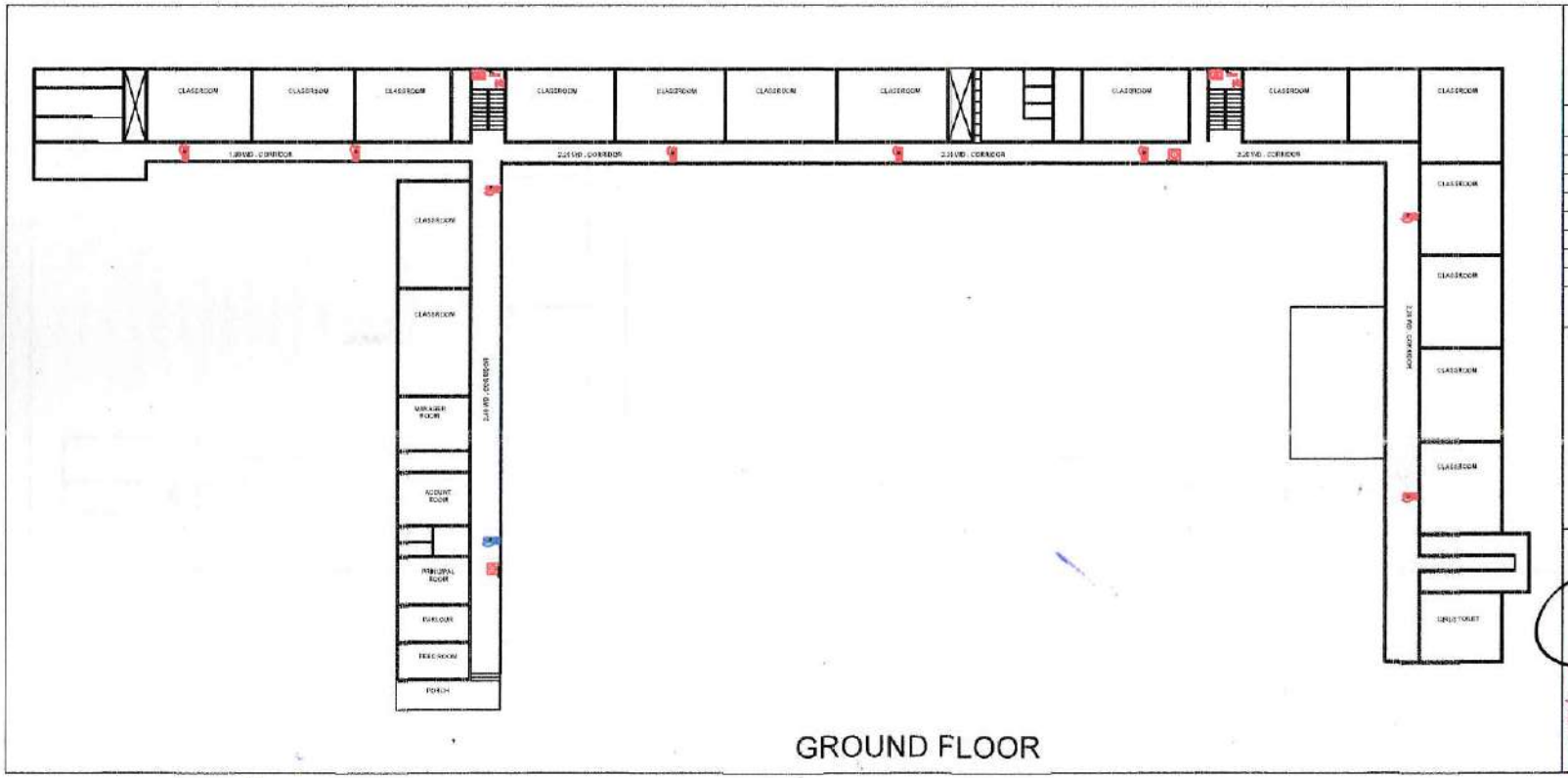
ER. DANISH KABRA

OWNER SEAL & SIGN.

DANGAER
St. Mary's Co-Ed School
Jamani Road ITARSI 461111
Hoshangabad (M.P.)
Dated 01/04/2024

FIRE CONSULTANT SEAL & SIGN.

ER. JAY PRAKASH SONI, FIRE ENGINEER
GOVT.AUTH.
FIRE
CONSULTANT
REG. NO.
BFS/2022/2677
MO.9425068629
BETUL (M.P.)



GROUND FLOOR

PROPOSED FIRE PLAN FOR
ST.MARY CO-ED SCHOOL AT ITARSI
KHA. NO. 64/9.66/2.69/11
VILLAGE DEHRI JAMANI ROAD ITARSI
(M.P)

TOTAL PLOT AREA = 19546 SQ.MTR
BUILD UP AREA AT GRADE LEVEL = 2,485.56 SQ.MTR

SYMBOL	DESCRIPTION
	HOSE REEL
	MANUAL CALL POINT
	MS PIPE
	HOSE BOX
	2 WAY VALVE
	4.5Kg. C.T.C. FIRE EXTINGUISHER
	4.5Kg. C.T.C. FIRE EXTINGUISHER

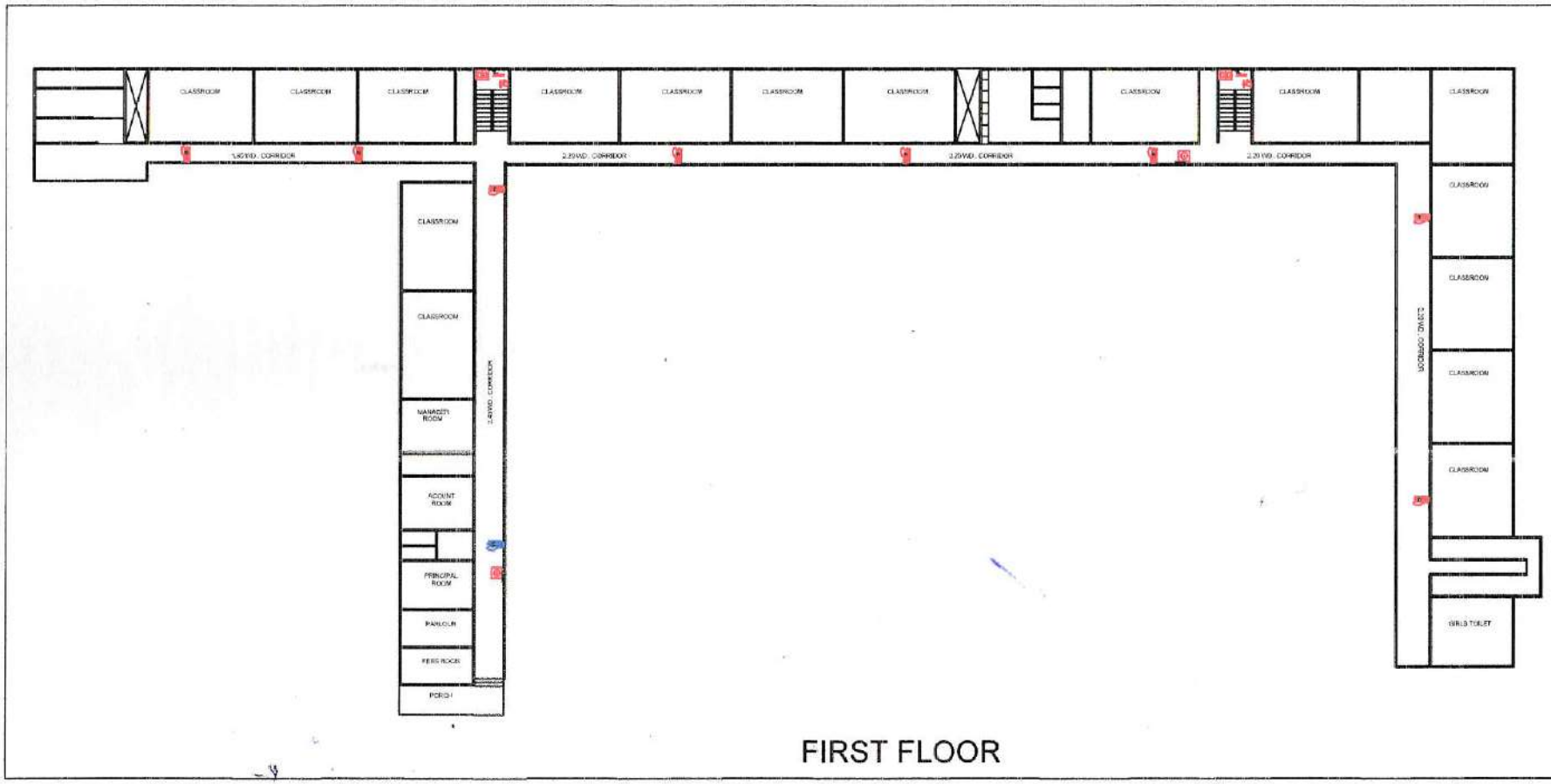
DRAWN BY-
ER. DANISH KABRA

OWNER SEAL & SIGN.

ANGAER
St. Mary's Co-Ed School
Jamani Road ITARSI 461111
Hoshangabad (M.P.)
Dt. 01/04/2024

FIRE CONSULTANT SEAL & SIGN.

ER. JAY PRAKASH SONI, FIRE ENGINEER
GOVT.AUTH. FIRE CONSULTANT REG. NO. BFS/2022/2677
MO.9425068629
BETUL (M.P.)



FIRST FLOOR

PROPOSED FIRE PLAN FOR
ST.MARY CO-ED SCHOOL AT ITARSI
KHA NO. 64/9.66/2.69/11
VILLAGE DEHRI JAMANI ROAD ITARSI (M.P)

TOTAL PLOT AREA = 19546 SQ.MTR
BUILD UP AREA AT GRADE LEVEL = 2,485.56 SQ.MTR

SYMBOL	DESCRIPTION
	HOSE REEL
	MANUAL CALL POINT
	MS PIPE
	HOSE BOX
	2 WAY VALVE
	4.5Kg CO2 FIRE EXTINGUISHER

DRAWN BY-
ER. DANISH KABRA

OWNER SEAL & SIGN.

MANAGER
St. Mary's Co-Ed School
Jamani Road ITARSI 461111
Hoshangabad (M.P.)

FIRE CONSULTANT SEAL & SIGN.

ER. JAY PRAKASH SONI, FIRE ENGINEER
GOVT. AUTH.
FIRE CONSULTANT
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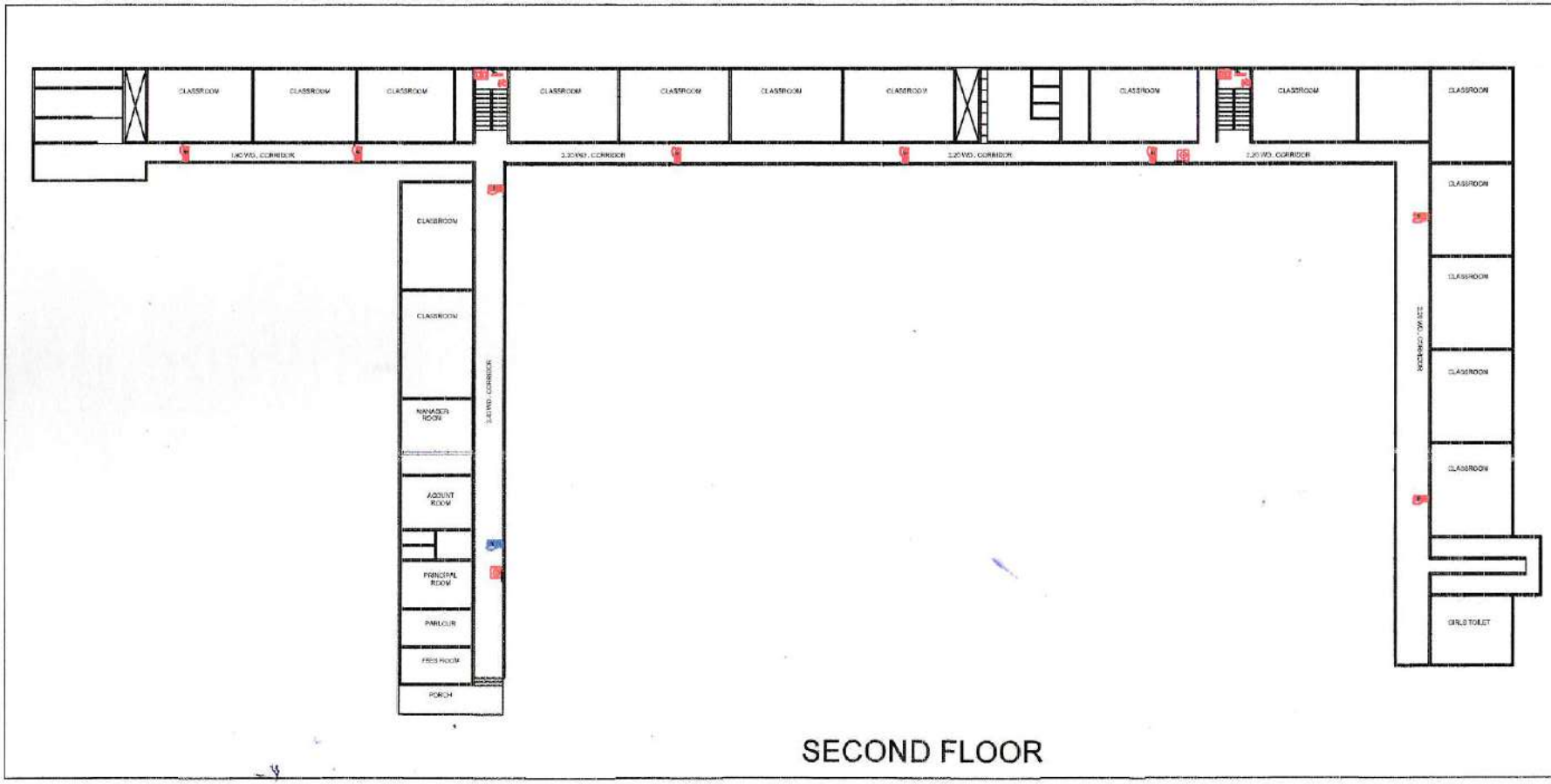

SECOND FLOOR

PROPOSED FIRE PLAN FOR
ST.MARY CO-ED SCHOOL AT ITARSI
KHA NO. 64/9.66/2.69/11
VILLAGE DEHRI JAMANI ROAD ITARSI
(M.P)

TOTAL PLOT AREA = 19546 SQ.MTR
BUILD UP AREA AT CRADE LEVEL = 2,485.56 SQ.MTR

SYMBOL	DESCRIPTION
	HOSE REEL
MCP	MANUAL CALL POINT
	MS PIPE
HB	HOSE BOX
	2 WAY VALVE
	4.5KG ABC EXTINGUISHER
	4.5KG CO2 FIRE EXTINGUISHER

DRAWN BY-
ER. DANISH KABRA

OWNER SEAL & SIGN.

VIRANGAER
St. Mary's Co-Ed School
Jamani Road ITARSI 461111
Hoshangabad (M.P.)

FIRE CONSULTANT SEAL & SIGN.

JAY PRAKASH SONI, FIRE ENGINEER
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