

FORM - II

FIRE PREVENTION AND SAFETY INSPECTION REPORT

L.No. 4012 /BHC FS

Date-19.11.2017

Date of inspection:- 17.11.2017

Name and address of the building :-ST. Xaviers High school, At/Po- Charampa, Dist -Bhadrak

Sl No	Details of premises etc	Requirement as per National Building Code of India	Requirement as per the approved plan	Provision made in the building	Deviation /Shortfall /deficiency if any
(1)	(2)	(3)	(4)	(5)	(6)
1	Plot area with dimensions	-	Not mention in plan	1.65 acrs	-
2	Width of the street to which the plot is abutting	6 Mtrs	-	06 mtrs	-
3	No of buildings, towers, block etc (occupancy wise)	-	-	G+1	-
4	Height of each building, tower or block etc from ground level	Less than 15Mtr	-	08 mtrs	-
5	Total number(including all underground, basement, stilt, mezzanine and ground)of floors in each building, tower or blocks etc	-	-	Ground Floor-252 sqmtrs First floor-288 sqmtrs	-
6	No of underground or basement floors	-	-	-	-
7	Occupancy (residential/Educational/Institutional/assembly/Business/Mercantile/Industrial/storage/Hazardous etc, as per NBCI)	Educational	-	Educational	-
8	Nature of parking areas (Underground/roof-top/covered and open parking areas)	Required	-	Open parking area (7.62m)	-
9	Width and height of all boundary gates provided for entry and exit.	Width not less than 4.5m, & Height 5mtr.	-	Width-3.5 m Height-3.15m	-
10	Width of open spaces & drive ways around each of the building or blocks or towers etc within the premises. Notes:- 1. If there is no interconnection at every floor level between any two building or blocks or towers, then each of those building or blocks or towers are deemed to be separate building for the purpose of open spaces & drive ways. 2. The requirement of open spaces or setbacks for various classes of buildings premises and occupancies shall be as by-laws of the building plan approval authority concerned. by laws of the building plan approval authority concerned.	Required clear open space of 6mtr around the building	-	-	-
	Front	6 mtr	-	12 mtrs	-
	Rear	6 mtr	-	12 mtrs	-
	Left	6 mtr	-	24 mtrs	-
	Right	6 mtr	-	24 mtrs	-


MANAGER


ST. XAVIER'S HIGH SCHOOL
BHADRAK

BHADRAK

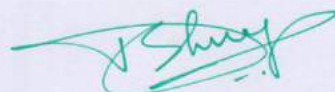
Principal
St. Xavier's High School

11	Has drive ways been provided around each building or tower or block? If so, indicate its width, turning radius, distance from the building line and certification of load bearing capacity	Required drive way 6 mtr and turning radius 9 mtr.	-	One side 4.57 m	To be provided
12	If underground or basement extends beyond the plinth line in to the drive way, please; indicate whether the roof of basement has the capacity to bear minimum forty-five ton load of fire service vehicles /appliances with certificate.	-	-	-	-
13	No. of Exits and their width	Required 2 Nos. having width 1.5 mtr.	-	27 nos. & 1.5m each	-
14	Width of corridors.	Required not less than 1.8 mtr.	-	1.8 mtrs	-
15	How many staircases have been provided in the building? Please indicate in each case.	Required 02 nos.	-	02nos.	-
	a) width of stairways	Not less than 1.5 m	-	1.5 m	-
	b) Width of treads	Not less than 0.30 m	-	0.30 m	-
	c) Height of riser.	Not less than 0.15 m	-	0.15 m	-
16	Has "Fire tower" been provided in all buildings or towers or blocks?	-	-	-	-
	a) Fire ratings of walls of fire tower with certificate.	-	-	-	-
	b) Fire rating of Exit doors at each floor of fire tower with certificate.	-	-	-	-
17	Number and details of all lifts? Please indicate in respect of each lift:	-	-	-	-
	a) Floors between which the lift runs.	-	-	-	-
	b) Type of doors fitted to the lift car and each landing	-	-	-	-
	c) Fire resistance rating of lift car landing doors with certificate.	-	-	-	-
	d) Floor area of the lift car	-	-	-	-
	e) Load capacity of the lift car	-	-	-	-
	f) Type of communication system installed in the lift car.	-	-	-	-


MANAGER
ST. XAVIER'S HIGH SCHOOL
BHADRAK


Principal
St. Xavier's High School
BHADRAK

	g) Has "Fire man "switch been installed in the lift for grounding it in the event of fire.?	-	-	-	-
18	If more than one lift is installed adjacent to each other, whether or not adjacent lifts wells /ducts are separated by fire resistant walls?	-	-	-	-
19	Have lift wells/ducts, lift lobby and stair wells been pressurized?	-	-	-	-
20	Have lift lobby and stair cases been effectively enclosed to prevent fire/smoke entering them from outside at any floor including basement(s)?	-	-	-	-
21	Have all the "Exits" and "way to Exits" been signposted with self illuminated sign ages ?	Required	-	Provided	-
22	No. of Wet Riser(s) and Dry Riser(s) and internal diameter or each riser.	-	-	-	-
23	No. and details of Down Comer(s)	-	-	-	-
24	No of single and twin outlet internal hydrants in each floor including basement(s)	-	-	-	-
25	No. and details of first aid hose reels in each floor including basements(s)	One hose reel@ 1000sqmtr as per IS: 3844	-	-	-
	b)Bore and length of hose reel tubing on each reel drum.	Bore-19 Mm,25mm L- 30 mtr	-	-	-
	c)Size(Bore) and type of nozzle fitted to each hose reel.	5 mm as per IS:8090	-	-	-
	d)Is the hose reel connected directly to the riser or to the hydrant outlet ?	Required to be connected to down corner	-	-	-
26	Has fire hose been provided near each hydrant in hose box? If so, please indicate.	-	-	-	-
	a)The type of hose	-	-	-	-
	b)The size of)bore) of hose.	-	-	-	-
	c)The length of each hose.	-	-	-	-
	d)Total no. of hoses provided to each hydrant	-	-	-	-

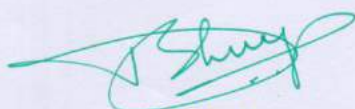


MANAGER
ST.XAVIER'S HIGH SCHOOL
BHADRAK



Principal
St.Xavier's High School
BHADRAK

27	Has branches pipes been provided ?If so, please indicate	-	-	-	-
	a) The type of branch pipe	-	-	-	-
	b)Size of nozzle of each branch.	-	-	-	-
28	Are all buildings, towers or blocks equipped with automatic fire detection and alarm system ? If so, please indicate:	-	-	-	-
	a)Type detectors (smoke or heat) installed	-	-	-	-
	b)Whether detectors provided both above and below the false ceiling.	-	-	-	-
29	Have manual fire alarm system been installed in all floors including basement(s) of all buildings, towers or blocks? If so, give details.	Required	-	Not provided	To be provided
30	Has public address system been installed in all floors including basements(s) of all building, towers or blocks?	-	-	-	-
31	No. and details of yard hydrants ?	N/R	-	-	-
32	Details of automatic sprinkler system installed both above and below the false ceiling in all floors including, towers or blocks.	N/R	-	-	-
33	Have stationary fire pumps been installed ? If so, please indicate:	N/R	-	-	-
	a)The number of pumps	-	-	-	-
	b)Sizes of suction diameter (mm) and delivery diameter (mm) of each pump	-	-	-	-
	c)The output of each pump in LPM	-	-	-	-
	d) The maximum head against which the pump can operate at the output mentioned at (c) above with certificate.	N/R	-	-	-
	e) is the pump automatic in action.	N/R	-	-	-





MANAGER
ST.XAVIER'S HIGH SCHOOL
BHADRAK




Principal
St.Xavier's High Schol
BHADRAK

34	Have Terrace pumps been installed? If so, please indicate:	Required 450 LPM	-	Not provided	To be provided
	a) The number of pumps	01 no.	-	-do-	-do-
	b) Sizes of suction diameter (mm) and delivery diameter (mm) or each pump.	100 mm	-	-do-	-do-
	c) The output of each pump in LPM	450 LPM	-	-	-
35	Capacity and size of the underground static tank if any, exclusively for firefighting purpose and provisions for replenishing the same.	N/R	-	-	-
36	Capacity and size of the terrace tank and it's connectivity to the wet riser/down comer/hose reel.	Required 10,000Ltrs. capacity and needs to be connected to hose Reel hose	-	Provided	Provided
37	Number and type of fire extinguishers (with ISI certification) provided at various location in each floor including basement (s) building/tower-block-wise.	Required as per IS 2190 of 2010	-	Total 07 nos. G. Floor- DCP- 03 nos. & F. Floor- DCP- 03 nos. CO ₂ 4.5 kg at computer room	-
38	Details of stand-by source of power provided? If so, please indicate:	-	-	D.G-1500 HP	-
	a)The capacity(output)	-	-	416 kva	-
	b) The function that can be maintained simultaneously such as operation lifts fire pumps, emergency lighting etc.	-	-	YES	-
	c) Is the standby source automatic in action or has to be started manually?	-	-	Manually	-
39	Details of fire control room and its location.	-	-	-	-
40	Is the building centrally air conditioned? If so, indicate.	-	-	-	-
	a) Has a separate air handling unit (AHU) been provided for each floor?	-	-	-	-
	b) Is the AHU having auto shut off system in case of actuation of detector?	-	-	-	-
	c) Have a fire dampers been provided inside ducts? If so, indicate the no and type of dampers	-	-	-	-
	d) Is the ducting for each floor effectively isolated or is it continuous for more than one floor?	-	-	-	-


MANAGER
ST. XAVIER'S HIGH SCHOOL
BHADRAK


Principal
St. Xavier's High Schol
BHADRAK

41	Basement ventilation details.	-	-	-	-
	a) Whether natural ventilation or mechanical ventilation has been provided.	-	-	-	-
	b) Whether mechanical ventilation is coupled with automatic detection system? Give detail of system.	-	-	-	-
42	Location of the switch gear and transformers? If inside the building please indicate	Required transformer outside and switch gears in separate compartment	-	Switch gears are open at one side of ground floor and transformers is out side	-
	a) Are the switchgears and transformers house in separate compartments effectively? If so, are they separated from each other and from portion of the building by four hrs fire resistive wall?	-	-	-	-
	b) What precautions have been taken to prevent a possible fire in transformers from spreading.	--	--	--	--
43	Whether the ducts have been effectively sealed/plugged with non combustible, fire resistive materials?	Required to be sealed effectively	-	-	-
44	Whether, emergency drills/rehearsals conducted regularly and the occupants are trained in use and operation of fire safety measures. If so, how often and whether local Fire Station is involved? If not, why?	Required to be conducted twice in year.	-	Conducted	-
45	Has a qualified fire safety supervisor been appointed for the premises? If so, his full details. If not, why?	-	-	-	-
46	Has the building been protected against lightning? If so, indicate its details including its periodical testing. If not, why?	Required to be protected from the lightning	-	Not provided	To be provided
47	Any other information/views	I have inspected the Fire and Life Safety arrangement in & outside of the ST. Xavier's High School, Charampa, Dist-Bhadrak in presence of principal of the ST. Xavier's high school and found that fire extinguishers provided in school are all in good condition. The short falls has been reflected in columns 6 for perusal please. Principal is requested to comply the short fall mentioned in col. No. 06 within one year that is dt-19.11.2018. Now the school is allowed to renewal regarding Fire Safety measures up to date mentioned as above.			


MANAGER
ST. XAVIER'S HIGH SCHOOL
BHADRAK


Principal
St. Xavier's High School
BHADRAK


Asst. Fire Officer
Fire Station, Bhadrak
Asst. Fire Officer
Fire Station, Bhadrak