

SAFETY AUDIT REPORT



Internal Quality Assurance Cell

RAMA DEVI WOMEN'S UNIVERSITY

Vidya Vihar, Bhubaneswar-751022, Odisha

E-mail: iqac@rdwu.ac.in, Website: <https://rdwu.ac.in>


Director IQAC
Rama Devi Women's University
Bhubaneswar


Registrar
RD Women's University
Bhubaneswar

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No. 1156 / Dt. 3-3-21

To
Smt. Shyamali Mohapatra OAS (SAG)

Registrar
Deputy Fire Officer
Bhubaneswar Circle, Bhubaneswar

Sub: Regarding the issuance of the fire safety certificate and submission of approved building plans.

Ref: 1. Your office letter no. 705, Dt. 12.03.2020
2. This office letter no. 1962, Dt. 05.06.2020

Sir,

With reference to the subject cited above, this is to intimate you that, as per your letter no. 705, Dt. 12.03.2020, you have requested us the following:

- i. To repair readiness the fire pumps along with fixed fire fighting system
- ii. To submit the complete set of approved building plans

In this regard, I would like to draw your kind attention to the following:

- i. The fire pumps along with fixed fire fighting system are ready
- ii. We have submitted the plans of buildings to Town Planner BMC (this office letter no. 1962, Dt. 05.06.2020) but we are yet to receive the approval of the building plans from BMC, Bhubaneswar.

This is for your information and necessary action.

Soliciting your kind cooperation.

With regards

Shabana
Registrar 03/3/2021

Memo. No. 1157 Dt. 3-3-21

Copy to Chief Fire Officer, Cuttack / Town Planner, BMC, Bhubaneswar / Executive Engineer, BCI-LCPWD, Bhubaneswar for information.

Shabana
Registrar 03/3/2021

Memo. No. 1158 Dt. 3-3-21

Copy to P.S. to Vice Chancellor for kind information of Vice Chancellor.

Shabana
Registrar 03/3/2021

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Rama Devi Women's University, Vidya Vihar, Bhubaneswar

Odisha 751022, Ph.no-0674 2512644, E-mail-registrar@rdwu.ac.in

Website- www.rdwuniversity.nic.in

No. 5050

Dt. 10-12-19

From

Smt. Itishree Das, OAS
Registrar

To

The Chief Fire Officer
Fire Prevention Wing
3rd Floor, Vigilance Building
Nuapatna, Buxibazar,
Cuttack- 753001

Sub: **Issuance of fire safety certificate in respect of Administrative Building, Academic Block, Hostel Building & Library-cum- Canteen Building of Rama Devi Women's University, Bhubaneswar**

Ref: Your Letter No- C-749-2017/6386/FPW dated 28.03.2018

Sir,


In inviting a reference on the subject under reference cited above, I am directed to submit the point wise compliance of shortfalls/deficiencies/deviations as pointed out in your fire prevention and safety inspection report (Compliance report submitted by the CPWD enclosed).

As far as the compliance of point No-50 (Sl. No-12) is concerned, the plan for two gates more than 5 mtrs each submitted by state PWD @ cost of Rs. 55 lakhs was sanctioned by Higher Education Department vide its letter No- HE-FE1B-MISC-0031-2017-19325/HE /DATED 21.09.2019. The state PWD has been requested to start the construction as per the plan vide this office letter No4552/dated 15.11.2019. As far as point No-50 (Sl no- 13 & 14) are concerned, all the make shift sheds meant for construction of these buildings are to be cleared very shortly and the driveway around the buildings as per BDA regulation has been provided in each building.

So, we request you to kindly do needful for issuance of fire safety certificate in respect of all the above mentioned buildings for necessary approval of plans by the BMC.

Soliciting your kind co-operation,

Yours faithfully,


Registrar

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Annexure - I

Compliance of shortfall / deficiencies in Administrative buildings, Academic Block, hostel Building and Library cum Canteen Building of RDWU.

- Ref. No.:
1. C-749-2017/6386/FPW dated: 28/03/2018 issued by Chief Fire Officer, Nuapatna, Buxibazar, Cuttack.
 2. Letter No. 3213 dated: 22/08/2019 issued by The Registrar, Rama Devi Women's University, Saheed Nagar, Bhubaneswar.

Sir,

With reference to the above mentioned letter CPWD has been asked to comply shortfall / deficiencies in buildings indicated in fire inspection report. Now all the deficiencies / shortfalls have been addressed. The deficiencies and their compliances are indicated in the table below along with their respective sl. no. in inspection report.

Sl. No.	Deficiencies / Observations / Shortfall	Compliance
23	Fire check doors required for the staircase of Admin, Hostel & Library/Canteen Building.	Requirement of fire check door will be assessed after joint visit of Architect and Fire department officers accordingly segregation of staircase lobby will be planned.
25	Wet Riser(s) and Dry Riser(s) not provided.	Now, wet Riser of 100 mm dia provided in all buildings.
38	Terrace tank of capacity 10000 liters for Academic Buildings and 5000 liters for Admin, Hostel & Library/ Canteen Building needs to be provided.	Now the tank of said capacity have been provided in respective buildings.

This is for your kind information and further necessary action at your end please.

Assistant Engineer
C.P.W.D.
Bhubaneswar-75

Executive Engineer
Bhubaneswar Central Division Dept.
C.P.W.D. Bhubaneswar-75

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COMPLIANCE REPORT

FIRE SAFETY

CPWD (Electrical Wing)

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)
20	Number and details of lifts? Please indicate in respect of each lift	Require for Admin	Admin Building - 02 nos, Academic building - 02 Nos, Library/canteen Building - 02 Nos	Admin Building - 02 nos, Academic building - 02 Nos, Library/canteen Building - 02 Nos	NIL (Complied as per observation)
	a) Floors between which the lift runs	Required to all floors		Yes, Admin Building -G+2, Academic Building G+3, Library/canteen Building G+3.	
	b) Types of door fitted to the lift car and each landing	Double floded		yes	
	c) Fire resistance rating of lift car landing doors	1 Hour		yes	
	d) Floor area of the lift car	Not less than 1.43m ²		2.2 sqm	
	e) Load capacity of the lift car	08 person		Admin Building - 13 Passengers, Academic Building -13 Passengers, Library/canteen Building 10 Passengers	
	f) Type of communication system installed in the lift car	Two way Communication is required		intercom communication	
	g) Has "Fire man" switch been installed in the lift for grounding it in the event of fire?	Required		yes, given	
	h) If more than one lift is installed adjacent to each other, whether or not adjacent liftss wells/ducts are separated by fire resistant walls?	Required 02 hrs Fire resistant walls			
24	Have all the "Exits" and "Way to Exits" been signposted with self illuminated sign ages?	Required for all buildings	yes	Provided	NIL (Complied as per observation)
25	No. of water riser (s) and Dry Riser (s) and internal diameter of each riser	Required 1 no. wet riser for every 500 m ² floor area for Admin Building with, mini internal dia 100 mm	Provided	Provided	NIL (Complied as per observation)
26	No. and details of down Commer(S)	Not Required	NIL	Nil	NIL
27	No. of single and twin outlet internal hydrants in each floor including basement (S)	Required 01 no. single outlet for every 500 m ² floor area for Admin & Library / canteen Building	Provided	Provided	NIL (Complied as per observation)
28	No. and details of hose reels in each floor including basement (S)	Required 01 no @ every 500m ² floor area for Admin Building & 01 no @ every 1000 m ² floor area for hostel Building	Provided	Admin Building - 02 nos, Academic Building -03 Nos, Library/canteen Building -02 Nos.	NIL (Complied as per observation)
	b) Bore and length of hose reel tubing on each reel drum	Bore - 19mm Length - 30 Mtrs	Provided	Provided	
	c) Size (Bore) and type of nozzle fitted to each hose reel	4.50 mm shutoff valve	Provided	Provided	
	d) Is the hose reel connected directly to the riser or to the hydrant outlet ?	Riser	Provided	Provided	
29	Has fire hose been provided near each hydrant in hose box? If so, please indicate	Required for Admin Building	Provided	Provided	NIL (Complied as per observation)
	a) The type of hose	Type - A	Provided	Provided	
	b) The size of (bore) of hose	63 mm	Provided	Provided	
	c) The length of each hose	15mtrs	Provided	Provided	
	d) Total no of hose provided to each hydrant	02 Nos.	Provided	Provided	
30	Have branch pipes been provided ? If so, please indicate	Required for Admin Building	Provided	Provided	NIL (Complied as per observation)
	a) The type of branch pipe	Standard	Provided	Provided	
	b) Size of nozzle of each branch	12 mm	Provided	Provided	
31	Are all buildings, tower or blocks equipped with automatic fire detection and alarm system ? If so, please indicate	Required for Admin Building	Provided	Provided	NIL (Complied as per observation)
	a) No and type of detectors (smoke or heat) installed.	Smoke	Provided	Admin Building - 153 nos, Academic Building -547 Nos, Library/canteen Building - 124 Nos.	
	b) Whether detectors provided both above and below the false ceiling.	Require	Provided	Provided	

32	Have manual fire alarm system been installed in all floors including basement(s) of all building towers or blocks? If so, provide detail	Required for Admin Building	Provided	Provided	NIL (Complied as per observation)
34	No. and detail of yard and hydrant?	Not Required	NIL	NIL	NIL
35	Details of automatic sprinkler system installed both above and below the false ceiling in all floors including basement (s) of all buildings, towers or block	Not Required	NIL	NIL	NIL
36	Have Stationary fire pumps been installed? If so, please indicate	Required	Provided	Provided	NIL (Complied as per observation)
	a) The number of pumps	A set of pumps i.e 01 electric & 01 Diesel pump capacity 1620 LPM & 01 Jockey 180 LPM for Admin & Library/Canteen Building & 01 No Terrace Pump capacity 450 LPM for all Building.	Provided	A set of pumps i.e 01 electric & 01 Diesel pump capacity 2280 LPM & 01 Jockey 180 LPM for Admin & Library/Canteen Building & 01 No Terrace Pump capacity 450 LPM for all Building.	
	b) Sizes of suction diameter (mm) and delivery diameter (mm) of each pump	Suction dia-150mm Delivery dia - 100 mm	Provided	Admin Building, Library/Canteen-Suction dia-150mm Delivery dia - 150 mm	
	c) The output of each pump in LPM	Electric - 1620 LPM	Provided	2280 LPM	
	d) The maximum head against which the pump can operate at the output mentioned at © above	Required 70 mtr	Provided	70 Mtr	
e) Is the pump automatic in action	Automatic	Provided	Yes, Automatic		
37	Capacity and size of the underground septic tank if any, exclusive for firefighting purpose and provisions for replenishing the same	Required 50,000 ltrs for admin Building and Library/Canteen Building	Provided	75000 Ltr	NIL (Complied as per observation)
38	Capacity and size of the terrace tank and its connectivity to the wet riser/down corner/hose reel	Required 10,000 ltrs for Academic Building and 5000 Ltr for each Admin, Hostel Building and Library/Canteen Building	Provided	Provided 10,000 ltrs for Academic Building and 5000 Ltr for each Admin, Hostel Building and Library/Canteen Building	NIL (Complied as per observation)
39	Number and type of the fire extinguishers (bearing ISI certification) provided at various location in each floor including basement (s) building/tower/block-wise	Requires two 9 ltr water expelling Estingushers of ABC 5 Kg/Ckg fire Extinguisher for every 200 m² of floor area or part there of with min of 04 Extinguishers per compartment/floor. The Extinguisher should be located as to available within 15m radius Total built up area of all Floor- 15383.7 m² Total Requirement - 154 nos.	Provided	Admin Building - 4 5 Kg Co2 3 Nos in each floor , 6 Kg ABC type 3 Nos each floor, 2 kg capacity ECO friendly (HFC 134A) 03 Nos Each Floor. Library/canteen Building - 4, 5 Kg Co2 6 Nos in each floor., 6 Kg ABC type 6 Nos each floor, 2 kg capacity ECO friendly (HFC 134A) 06 Nos Each Floor . Academic Building - 4 5 Kg Co2 9 Nos in each floor , 6 Kg ABC type 9 Nos each floor, 2 kg capacity ECO friendly (HFC 134A) 09 Nos Each Floor	NIL (Complied as per observation)
40	of stand by source of power provided ? If so, please indicate	Required	Provided	Standby supply provided in each floor	NIL (Complied as per observation)
	a) The capacity (output)	NIL	NIL	365 Kva DG Set for each block	
	b) The function that can be maintained simultaneously such as operating lifts, fire pumps, emergency fighting etc.	Required	Provided	Provided	
	c) Is the stand by source automatic in action or has to be started manually	Automatic	Provided	Provided	
41	Details of fire control room and its location	Required for admin Building	Provided	Provided	NIL
42	Is the building centrally air conditioned ? If so, please indicate	NIL	NIL	NIL	NIL
	a) The material used for construction of ducts and its fittings	NIL	NIL	NIL	
	b) The type of lining used for ducts	NIL	NIL	NIL	
	c) Type of legging used, if any for insulating any portion of ducts and indicate how the legging is secured	NIL	NIL	NIL	

42	d) Fire resistance rating of false ceiling material	NIL	NIL	NIL	NIL
	e) If plenum is used as returned air passage, has it been protected with fire detectors? Please give details.	NIL	NIL	NIL	
	f) Has a separate fire alarm sound fitting been provided for each floor?	NIL	NIL	NIL	
	g) Is the AHU having auto shut off system in case of actuation of detector?	NIL	NIL	NIL	
	h) Have fire dampers been provided insid ducts? If so indicate the no and type of dampers	NIL	NIL	NIL	
	i) Is the ducting for each floor efficiently isolated or is it continuous for more than one floor?	NIL	NIL	NIL	
43	Basement ventilation details	NIL	NIL	NIL	NIL
	a) Whether natural ventilation is relied upon? If so, give details of vents with area for the stairwell, lift shafts	NIL	NIL	NIL	
	b) Whether mechanical ventilation has provided? If so, give details of the system indicating the number of air changes for the basement other floors	NIL	NIL	NIL	
	c) Whether mechanical ventilation is coupled with automatic detection system? Give details of system.	NIL	NIL	NIL	
44	Location of the switch gear and transformers? If inside the building please indicate	Required	Provided	Transformer outside of building i/c switch gears	NIL (Complied as per observation)
	a) Are has switchgears and transformers housed in separate compartments effectively? If so, are they separated from each other and other and from portion of the building by four hrs fire resistive wall?	NIL	NIL	NIL	
	b) What precaution have been taken to prevent a possible fire in transformers from spreading?	Required	Provided	Provided a) 4.5 Kg Co2 Fire Extinguisher-05 Nos, 4.5 Kg ABC-05 Nos, 09 Ltr Foam type-03 Nos.	
45	Where the Electric cables, Telephone Cables, Dry/wet riser/down comers pass through a floor or wall have the space (apertures) round the cables pipes been effectively sealed/plugged with non-combustible, fire resistive materials?	NIL	NIL	NIL	NIL
46	are the occupants of the Buildings periodically trained in used and operation of Fire safety measures and emergency procedure? If so, give periodicity and details of training. If not, why?	Required	Provided	Provided	NIL (Complied as per observation)
47	Whether, emergency drills/rehearsals conducted regularly. If so, how often and whether local fire station is involved? If not, why?	Required	Provided	Provided	NIL (Complied as per observation)
48	Has a qualified fire safety supervisor been appointed for the premises? If so, his full details. If not, why?	Not Required	NIL	NIL	NIL (Complied as per observation)
49	Has the building been protected against lightning? If so, indicat its details including its periodical testing. If not, why?	Required	Provided	Provided	NIL (Complied as per observation)
50	Any other Information				

Nohu
JE(E)
BCESD-II/CPWD/BBSR

[Signature]
AE(E)
BCESD-II/CPWD/BBSR

[Signature]
EE(E)
BCESD-II/CPWD/BBSR

FORM-IV
[see rule-13(2)]
FIRE PREVENTION AND SAFETY INSPECTION REPORT

Date of inspection 17.01.2018

Name and address of the building: Ramadevi Women's University, Bhubaneswar.

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	N.A	Building plans has not approved by BDA, Plot area-1,12,924 m ²	Plot area-1,12,924 m ²	Nil
2	Total covered/constructed area (at Ground Level)	N.A	1-Admin Building -919 m ² 2-Academic Building-2580 m ² 3- Hostel Building-783 m ² 4- Library/Canteen Building-778 m ²	1-Admin Building -919 m ² 2-Academic Building-2580 m ² 3- Hostel Building-783 m ² 4- Library/Canteen Building-778 m ²	Nil
3	No. of buildings, towers, blocks etc (occupancy wise)	N.A	04 nos Building 1-Admin Building 2-Academic Building 3- Hostel Building 4- Library/Canteen Building	04 nos Building 1-Admin Building 2-Academic Building 3- Hostel Building 4- Library/Canteen Building	Nil
4	Height of each building, tower or block etc from ground level	N.A	Not mentioned in the plan	1-Admin Building-----11.5 mtr 2-Academic Building----14.98 mtr 3- Hostel Building -----09.80 mtr 4- Library/Canteen Building- -14.95 mtr (All building height from Ground level)	Nil
5	Total number (including all underground, basement, stilt, mezzanine and ground) of floors in each building, tower or blocks etc	N.A	1-Admin Building-----G+2 2-Academic Building---G+3 3- Hostel Building -----G+2 4- Library/Canteen Building-G+3	1-Admin Building-----G+2 2-Academic Building---G+3 3- Hostel Building -----G+2 4- Library/Canteen Building-G+3	Nil
6	Total built up area of all floors (including all under Ground, Basement, Stilt, Mezzanine and Ground) of each building or tower or blocks etc	N.A	Admin Building ----2254.52 m ² Academic Building---8885.63 m ² Hostel Building -1640.90 m ² Library/Canteen Building-2602.68 m ²	Admin Building ----2254.52 m ² Academic Building---8885.63 m ² Hostel Building -1640.90 m ² Library/Canteen Building-2602.68 m ²	Nil
7	Total built up area of all floors (including all underground, basement, stilt, mezzanine and ground) of all buildings, Towers, Blocks etc	N.A	Total Built up area of all building- 15283.7 m ²	Total Built up area of all building- 15283.7 m ²	Nil
8	No. of underground or basement floors (indicate the level below the Ground of each floor)	N.A	Nil	Nil	Nil
9	Area of each underground or basement floor	N.A	Nil	Nil	Nil
10	Occupancy (Usages) (mention separately for each under Ground Basement, Stilt, Mezzanine, Ground and other Floors)	N.A	Nil	1.Admin Building All floor-Office(E-1) 2.Academic Building All floors-Class rooms Educational purpose(B-1) 3.Hostel Building All floors-Residential (A-3) 4.Library/Canteen Building Ground-Kitchen with Canteen 1 st to 3 rd floor-Library (E2)	Nil
11	Details of parking areas (mention separately Underground/ roof-top/covered and open parking areas)	N.A	Nil	Provided Open parking	Nil
12	Width and height of all boundary gates provided for entry and exit.	N.A	Nil	Provided 02 nos Gate-1-width 4.63 mtr & height 4.55 mtr Gate-2-width 4.50 mtr & height 4.40 mtr	Please see Sl.no-50

(B.C Lenka)
Station Officer,
Secretariat Fire Station

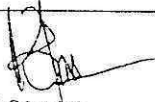
(R.C Majhi)
Deputy Fire Officer,
Bhubaneswar Circle, BBSR

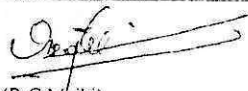
<p>How many staircases have been provided in the building? Please indicate in each case</p>	<p>N.A</p>	<p>1-Admin Building -02 nos 2-Academic Building-03 nos 3- Hostel Building-01 no 4- Library/Canteen Building-02 nos</p>	<p>Admin Building-02 nos Both are serving from Ground to Terrace Academic Building-03 nos All are serving from Ground to Terrace Hostel Building-01 no Serving from Ground to Terrace Library/Canteen Building-02 nos Both are serving from Ground to Terrace</p>	<p>Nil</p>
<p>a) Width of stairway</p>	<p>N.A</p>	<p>Nil</p>	<p>Admin Building Stair-1-Width of 1.51 mtr including Hand railing & 1.41 mtr clear width (excluding hand railing) Stair-2-Width of 1.70 mtr including Hand railing & 1.60 mtr clear width (excluding hand railing) Academic Building Stair-1 & 2-Width of 1.80 mtr without Hand railing Stair-3- Width of 1.69 mtr without Hand railing Hostel Building Stair-1-Width of 1.51 mtr including Hand railing & 1.41 mtr clear width (excluding hand railing) Library/Canteen Building Stair-1&2-Width of 1.50 mtr including Hand railing & 1.42 mtr clear width (excluding hand railing)</p>	
<p>b) Width of treads</p>	<p>N.A</p>	<p>Nil</p>	<p>All are 300 mm</p>	
<p>c) Height of riser</p>	<p>N.A</p>	<p>Nil</p>	<p>All are 150 mm</p>	
<p>18. Has "Fire tower" been provided in all buildings or towers or blocks?</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>
<p>a) Fire rating of the walls of fire tower.</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>
<p>b) Fire rating of Exit doors at each floor of fire tower.</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>
<p>19. Average peak occupant load per floor in all buildings or towers or blocks.</p>	<p>Required</p>	<p>Nil</p>	<p>All buildings have no occupancy Finishing work of all buildings are not complete.</p>	<p>Nil</p>
<p>20. Number and details of all lifts? Please indicate in respect of each lift:</p>	<p>Require for Admin, Academic & Library/Canteen</p>	<p>1-Admin Building -02 nos 2-Academic Building-04 nos 3- Library/Canteen Building-01 no</p>	<p>Admin Building Provision of 02 nos Lift, but not installed Academic Building Provision of 04 nos Lift, but not installed Library/Canteen Building Provision of 01 no Lift, but not installed</p>	<p>To be provided The requirement of lifts as per NBCI-2016 (which mentioned in column No-3)</p>
<p>a) Floors between which the lift runs.</p>	<p>Required to all Floors</p>	<p>Nil</p>		
<p>b) Type of doors fitted to the lift car and each landing.</p>	<p>Double folded</p>	<p>Nil</p>		
<p>c) Fire resistance rating of lift car landing doors.</p>	<p>1 Hours</p>	<p>Nil</p>		
<p>d) Floor area of the lift car</p>	<p>Not less than 1.43 m²</p>	<p>Nil</p>		
<p>e) Load capacity of the lift car.</p>	<p>08 person</p>	<p>Nil</p>		
<p>f) Type of communication system installed in the lift car.</p>	<p>Two way communication is required</p>	<p>Nil</p>		
<p>g) Has "Fireman" switch been installed in the lift for grounding it in the event of fire?</p>	<p>Required</p>	<p>Nil</p>		

(B.C Lenka)
Station Officer,
Secretariat Fire Station

(R.C Majhi)
Deputy Fire Officer,
Bhubaneswar Circle, BBSR

	and type of detectors (smoke or installed)	Smoke	Nil	Not provided	
	Are fire detectors provided both above and below the false ceiling	Require	Nil	Not provided	
	Have manual fire alarm systems been installed in all floors including basement(s) of all buildings, towers or blocks? If so, give details	Required for Admin & Library/Canteen Building	Nil	Not provided	To be provided shortfalls
33	Has public address system been installed in all floors including basement(s) of all buildings, towers or blocks?	Required for entire building	Nil	Not provided	To be provided shortfalls
34	No. and details of yard hydrants?	Not required	Nil	Nil	Nil
35	Details of automatic sprinkler system installed both above and below the false ceiling in all floors including basement(s) of all buildings, towers or blocks	Not required	Nil	Nil	Nil
36	Have stationary fire pumps been installed? If so, please indicate:	Require	Nil	Not provided	To be provided shortfalls
	a) The number of pumps	A set of pumps i.e. 01 Electric & 01 Diesel pump capacity 1620 LPM & 01 Jockey 180 LPM for Admin & Library/Canteen Building & 01 no Terrace Pump capacity 450 LPM for all Building.	Nil	Not provided	To be provided shortfalls
	b) Sizes of suction diameter (mm) and delivery diameter (mm) of each pump.	Suction dia-150 mm Delivery dia-100mm	Nil	Not provided	To be provided shortfalls
	c) The output of each pump in LPM	Electric & Diesel-1620 LPM Jockey-180 LPM	Nil	Not provided	To be provided shortfalls
	d) The maximum head against which the pump can operate at the output mentioned at (c) above.	Required 70 mtr	Nil	Not provided	To be provided shortfalls
	e) Is the pump automatic in action?	Automatic	Nil	Not provided	To be provided shortfalls
37	Capacity and size of the underground static tank if any, exclusively for firefighting purpose and provisions for replenishing the same.	Require 50,000ltrs for Admin & Library/Canteen Building	Nil	Not provided	To be provided shortfalls
38	Capacity and size of the terrace tank and it's connectivity to the wet riser/down comer/hose reel.	Require 10,000 ltrs for academic building & 5,000 ltrs for each Admin, Hostel & Library/Canteen Building	Nil	Not provided	To be provided shortfalls
39	Number and type of fire extinguishers (bearing ISI certification) provided at various locations in each floor including basement(s) building/tower/block-wise.	Required Two 9 ltr water expelling Extinguishers or ABC 5 kg/6 kg Fire Extinguishers for every 200 m ² of floor area or part thereof with min of 04 Extinguishers per compartment/floor. The Extinguisher should be located as to available within 15 m radius Total built up area of all Floor-15383.7 m ² Total Requirement- 154 nos	Nil	Not provided	To be provided shortfalls

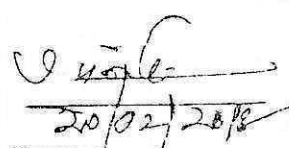

(B.C Lenka)
Station Officer,
Secretariat Fire Station


(R.C Majhi)
Deputy Fire Officer,
Bhubaneswar Circle, BBSR

<p>Electric cables Telephone Cables, Dry/Wet riser/Down Comer, pass through a floor or wall have the spaces (apertures) round the cables/pipes been effectively sealed/plugged with non combustible, fire resistive materials?</p>	<p>N A</p>	<p>Nil</p>	<p>Nil</p>	<p>Nil</p>
<p>46. Are the occupants of the Buildings periodically trained in used and operation of Fire safety measures and emergency procedure? If so, give periodicity and details of training. If not, why?</p>	<p>Required</p>	<p>Nil</p>	<p>Not conducted</p>	<p>To be conducted</p>
<p>47. Whether, emergency drills/rehearsals conducted regularly. If so, how often and whether local Fire Station is involved? If not, why?</p>	<p>Required</p>	<p>Nil</p>	<p>Not occupied not conducted</p>	<p>To be conducted twice in a year with involving local fire station after occupation</p>
<p>48. Has a qualified fire safety supervisor been appointed for the premises? If so, his full details. If not, why?</p>	<p>Not required</p>	<p>Nil</p>	<p>Total Built up area of all building- 15383.7 m² Hence the Fire safety supervisor is not required as per Rule-15 of OFP & FS Rule-17</p>	<p>Nil</p>
<p>49. Has the building been protected against lightning? If so, indicate its details including its periodical testing. If not, why?</p>	<p>Required</p>	<p>Nil</p>	<p>Not provided</p>	<p>Shortfalls to be provided for all buildings</p>
<p>50. Any other information</p>	<p>Observation:- Inspected the Fire and life safety arrangement of Ramadevi Women's University, Bhubaneswar was made by the team. That the Authorized person of the said building was present at the spot during the inspection.</p> <p>During the inspection it is observed that the building plans are not approved by Bhubaneswar Development Authority. The building has already been constructed & the building plan has not been prepared as per BDA. Hence provisions of Fire & life safety measure have been recommended as per BDA regulation & NBCI.</p> <p>Views:-</p> <ol style="list-style-type: none"> 1. SI.No:-12-The exiting Boundary gate width needs to be enhanced minimum 05 mtr as per BDA regulation. 2. SI.No:-13-The required open space around the each building as per BDA Regulation shall be free from obstruction at all time. 3. SI.No:-14-The requirement of driveway shall be provided around the building as per BDA Regulation. <p>All the Fire Fighting installations which is reflected in Col no-6, needs to be provided as per NBCI.</p> <p>The shortfalls indicated in this report are required to be complied by the applicant & accordingly the applicant may be directed to regularize the shortfalls.</p> <p>Fire Safety Certificate may be issued in favour of the applicant after compliance of the all deficiencies/Shortfalls and all the building plans needs be regularized by the BDA.</p>			

Remark:- N.A—Not Applicable


(B.C Lenka)
Station Officer,
Secretariat Fire Station


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Deputy Fire Officer,
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