

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

(A Govt. Aided General Degree College affiliated to Burdwan University and registered u/s 2(f) & 12(B) of UGC Act, 1956)
[Established in 2006 and Accredited 'B' by NAAC in 2016]

Vill-Madian, Mallarpur

PIN 731216, West Bengal

website- www.thlmahavidyalay.ac.in



PO-Ganpur, Birbhum

Phone & Fax 03461-262175

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Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.2 The Institution has facilities and initiatives for

6. Alternate sources of energy and energy conservation measures
7. Management of the various types of degradable and nondegradable waste
8. Water conservation
9. Green campus initiatives
10. Disabled-friendly, barrier free environment

Document: Students survey for Energy conservation, water conservation, management of waste etc. for session 2019-20



Shankar
Teacher-in-charge
THLH Mahavidyalay
Madian, Mallarpur, Ganpur
Birbhum. Pin- 731216, W.B.

2019

Turku Hansda Lapsa Hemram Mahavidyalay

Green Campus Committee Debris Monitoring and Assessment Project

Debris Survey Form

SURVEYOR NAME: Bakul Mandal

SITE NAME: Back side of college

DATE: 14.01.17

AREA LENGTH: 20 m

AREA WIDTH: 20 m

SEARCH TEAM SIZE: _____

DEBRIS REMOVAL: _____

CONSISTENCY CHECK: _____

Survey On Mode of Transport

THLH MAHAVIDYALAY

Green Campus Committee

Name of Surveyor: RIYA HAZRA

Registration No.: _____

SAMPLE CATEGORY:

STUDENT ☐ STAFF ☒

Total Samples: 60

PUBLIC TRANSPORT		PRIVATE TRANSPORT		CYCLE	ELCETRIC VEHICLE
BUS	TRAIN	BIKE	CAR		
<u>CHT 1111 1111</u>	<u>CHT 1111</u> <u>11</u>	<u>CHT 1111</u> <u>CHT 111</u>		<u>CHT 11</u>	<u>CHT 1111</u>

% Public Transport: <u>43.33</u>	% Bus: <u>23.33</u>	% Train: <u>20</u>	% Private Transport: <u>30</u>	% Bike: <u>30</u>	% Car: <u>0</u>	% Cycle: <u>11.66</u>	% Electric Vehicle: <u>15</u>
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Signature: Riya Hazra

Date: 13.08.17



Survey On Mode of Transport

THLH MAHAVIDYALAY

Green Campus Committee

Name of Surveyor: SALIMA SULTANASAMPLE
CATEGORY:STUDENT ☒ STAFF ☐

Registration No.:

Total Samples: 55

PUBLIC TRANSPORT		PRIVATE TRANSPORT		CYCLE	ELCETRIC VEHICLE
BUS	TRAIN	BIKE	CAR		
<u>IIII</u> <u>IIII</u> <u>IIII</u> <u>IIII</u> <u>IIII</u> <u>III</u>		<u>II</u>		<u>IIII</u> <u>IIII</u> <u>IIII</u>	<u>IIII</u> <u>IIII</u> <u>I</u>
% Public Transport: <u>50.9</u>	% Bus: <u>50.9</u> % Train: <u>0</u>	% Private Transport: <u>3.63</u>	% Bike: <u>3.63</u> % Car: <u>0</u>	% Cycle: <u>25.45</u>	% Electric Vehicle: <u>20</u>
Signature: <u>Salima Sultana</u>					Date: <u>13.08.19</u>



☒ all/most

☒ Yes

Survey Organized by Green Campus Committee

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

LAB-WISE WATER CONSUMPTION

Madian, Mallarpur, Birbhum, WB 731216

Serial No. 01

Lab Name: chemistry

Determination Of quantity

Water

by:

Metering



Calculation



Survey Date: 13.08.19

Survey start Time: 10:45

Survey end Time: 2:00

Water Use Reported in: Acre-Feet ☐

Gallons ☐

Million Gallons ☐

Liter



Sl. No.	pH level	No. of Tap Water points	Meter Reading		Total Water Used (b-a) in (lt/d)
			Start (a)	End (b)	
1.		10	1027	1035	08
2.					
3.					
4.					

Name of Student:

Salma Khater

Signature

Salma Khater

Member of:

Green Volunteer ☐

Eco-Club ☐

None (Student)

Office Use Only

Signature of

Green Committee member:

Mamun Muzahid



☐ 1

☒ all/most

☒ Yes

Survey Organized by Green Campus Committee

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

LAB-WISE WATER CONSUMPTION

Madian, Mallarpur, Birbhum, WB 731216

Serial No. 02

Lab Name: Geography

Determination Of quantity by:

Water Metering ☒

Calculation ☐

Survey Date: 13.08.19

Survey start Time: 10:45

Survey end Time: 2:00

Water Use Reported in: Acre-Foot ☐

Gallons ☐

Million Gallons ☐

Liter ☒

Sl. No.	pH level	No. of Tap Water points	Meter Reading		Total Water Used (b-a) in (lt/d)
			Start (a)	End (b)	
1.		01	552	557	05
2.					
3.					
4.					

Name of Student: Rumki Karmakar

Signature Rumki Karmakar

Member of: Green Volunteer ☐

Eco-Club ☐

None (Student) ☐

Office Use Only

Signature of Green Committee member: Manu Murshy



TRANSECT SURVEY DATA FORM 1 FIELD RESULTS

Complete one form for each species along each transect

Name: Sanjay Kisku

Date: 13.08.19

Species name: Tridax procumbens L

Name of study area: Flower garden

Transect number: 02

Transect length: 10 m

Total number of sampling points along your transect: 20

Describe your study area (e.g. disturbed roadside to undisturbed wetland)

The flower garden is situated in front side of campus area

Describe how you recorded the presence of species along the transect (e.g. presence at distance within 1 m to each side of transect, every 0.5 m along transect)

Presence within 1 m to each side of the transect, every 0.5 m along transect.

List points where species was present	List points where species was absent (e.g., 0.5 m, 2.0 m)	Habitat
1.5 m	0.5 m	garden
2 m	1 m	do
2.5 m	4 m	do
3 m	4.5 m	do
3.5 m	5 m	do
6.5 m	5.5 m	do
7 m	6 m	do
9 m	7.5 m	do
9.5 m	8 m	do
10 m	8.5 m	



TRANSECT SURVEY DATA FORM 1 FIELD RESULTS (continued)

Number of transects surveyed (A)

10

Number of transects surveyed (B)

20

Number of transects surveyed (C)

$10/20 \times 100\% = 50\%$

Number of transects surveyed (D)

Number of transects surveyed (E)

Number of transects surveyed (F)



TRANSECT SURVEY DATA FORM 1 FIELD RESULTS

Record data for each species along each transect

Name: Rimpa Bhakat

Date: 13-08-19

Scientific name: Tridax procumbens L.

Name of study area: Flower Garden

Transect number: 01

Transect length: 10m

Total number of sampling points along transect: $10 \times 2 = 20$

Describe your study area (e.g. disturbed roadside to undisturbed wetland)

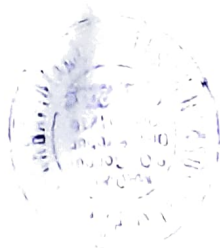
It is a front side of college campus

Describe how you recorded the presence of species along the transect (e.g. presence within 1m to each side of transect, every 0.5 m along transect)

Presence within 1m to each side of transect, every 0.5 m along transect.

List points where species was present	List points where species was absent (e.g., 0.5 m, 2.0 m)	Habitat
0.5 m	1 m	Flower Garden
1.5 m	3 m	do
2 m	3.5 m	do
2.5 m	4 m	do
5 m	4.5 m	do
6.5 m	5.5 m	do
7 m	6 m	do
7.5 m	8 m	do
9.5 m	9 m	do

10 m



TRANSECT SURVEY DATA FORM 1 FIELD RESULTS (continued)

Total number of points species was present along transect A

09

Total number of points along transect B

20

Percent points where species was present
 (points species present / total points along transect) A/B

$$9/20 \times 100\% = 45\%$$

Indicate where species was eventually found

Indicate where species was rarely found

Indicate where species was not found



Biodiversity Mapping Format (1):

AREA: Flower Garden

Method: Random Quadrats

Sl. No.	Name of Species	Presence in different quadrat										Total presence in quadrat (A)	Frequency (A/10)
		1	2	3	4	5	6	7	8	9	10		
1.	<i>Euphorbia milii</i>	+		+								2	0.2
2.	<i>Calystegia pubescens</i>	+			+	+				+		4	0.4
3.	<i>Tropaeolum minus</i> L.		+	+		+				+		4	0.4
4.	<i>Tradescantia spathacea</i> Sw.				+		+			+		3	0.3
5.	<i>Dracaena trifasciata</i>					+	+					2	0.2
6.	<i>Tagetes erecta</i>	+						+				2	0.2
7.	<i>Tagetes nelsonii</i>			+						+		2	0.2
8.	<i>Tagetes patula</i>		+		+		+					3	0.3
9.	<i>platycheilus orientalis</i>								+			1	0.1
10.	<i>Ocimum tenuiflorum</i>					+		+				2	0.2
11.	<i>Mesosphaerium suaveolens</i>										+	1	0.1
12.	<i>Cantinoa plectranthoides</i>										+	1	0.1
13.	<i>Cynodon dactylon</i>	+	+	+	+	+	+	+		+	+	9	0.9

Signature: *Mam Mande*



Date 13.08.19

Biodiversity Mapping Format (2): AREA: Flower Garden Method: Random Quadrats

Sl. No	Name of Species	Numbers in different quadrats										Total No. of individual (A)	Density (A/10)
		1	2	3	4	5	6	7	8	9	10		
1.	<i>Euphorbia milii</i>	2		1								3	0.3
2.	<i>Calystegia pubescens</i>	4			6	2				1		13	1.3
3.	<i>Tropaeolum minus</i> L.		3	3		2				4		12	1.2
4.	<i>Tradescantia spathacea</i> Sw.				5		4			2		11	1.1
5.	<i>Dracaena trifasciata</i>					2	3					5	0.5
6.	<i>Tagetes erecta</i>	4						8				12	1.2
7.	<i>Tagetes nelsonii</i>			6						6		12	1.2
8.	<i>Tagetes patula</i>		4		2		6					12	1.2
9.	<i>Platycladus orientalis</i>								1			01	0.1
10.	<i>Ocimum tenuiflorum</i>					1		2				3	0.3
11.	<i>Mesosphaerum suaveolens</i>										3	3	0.3
12.	<i>Cantinoa plechranthoides</i>										4	4	0.4
13.	<i>Cynodon dactylon</i>	12	10	8	14	11	6	12		8	25	106	10.6

Signature:

Dipak Ghosal



Date: 13.08.19

Biodiversity Mapping Format (1):

Area: Lumbini Garden

Method: Random Quadrats

Sl. No.	Name of Species	Presence in different quadrat										Total presence in quadrat (A)	Frequency (A/10)
		1	2	3	4	5	6	7	8	9	10		
1.	<i>Catharanthus roseus</i>	+			+	+				+		4	0.4
2.	<i>Malva olbia</i>		+					+				2	0.2
3.	<i>Chrysanthemum indicum</i>			+		+			+			3	0.3
4.	<i>Ixora coccinea</i>						+					1	0.1
5.	<i>Petunia xatkinsiana</i>		+		+	+			+	+		5	0.5
6.	<i>Rosa rugosa</i>										+	1	0.1
7.	<i>Rosa</i> 'Ingrid Bergman'										+	1	0.1
8.	<i>Rosa</i> 'Eglantyne'										+	1	0.1
9.	<i>Rosa rubiginosa</i>										+	1	0.1
10.	<i>Dahlia pinnate</i>	+		+				+				3	0.3
11.	<i>Tradax procumbens</i> L.	+	+	+	+			+		+		6	0.6
12.	<i>Phyllanthus urinaria</i>					+			+			2	0.2

Signature:

Dipak Ghosal



Date: 30.12.19

Biodiversity Mapping Format (2):

Area: Lumbini Garden

Method: Random Quadrate

Sl No	Name of Species	Numbers in different quadrates										Total No. of individual (A)	Density (A/10)
		1	2	3	4	5	6	7	8	9	10		
1	<i>Catharanthus roseus</i>	02			01	01				03		07	0.7
2	<i>Malva alba</i>		01					01				02	0.2
3	<i>Chrysanthemum indicum</i>			03		02			02			07	0.7
4	<i>Ixora coccinea</i>						01					01	0.1
5	<i>Petunia x atkinsiana</i>		05		06	03			04	03		21	2.1
6	<i>Rosa rugosa</i>										04	04	0.4
7	<i>Rosa 'Ingrid Bergman'</i>										02	02	0.2
8	<i>Rosa 'Eglantyne'</i>										01	01	0.1
9	<i>Rosa rubiginosa</i>										02	02	0.2
10	<i>Dahlia pinnata</i>	01		01				02				04	0.4
11	<i>Tridax procumbens</i> L.	05	04	02	03			08		04		26	2.6
12	<i>Phyllanthus urinaria</i>					01			02			03	0.3

Signature

Dipak Chakraborty



Date 30.12.19

1. Place

☐ Ground Floor

☐ 1st Floor

☐ 2nd floor

☐ Rooftop

☒ Play-ground

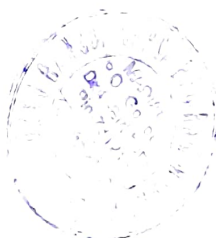
☐ Garden

2. Date

13/08/2019

3. Name of the surveyor

Rimpa Ahosh,
190131300119



Greening of College Campus

33. Participating in a clean-up drive

1 2 3 4 5 ✓

34. Following environmental rule and regulation strictly

1 2 3 4 ✓ 5

35. Supporting College's advocacy in protecting the college environment.

1 2 3 4 ✓ 5

36. Monitoring and evaluating the progress of greening the college

1 2 3 4 ✓ 5

37. Adopting an environmental vision statement to be achieved

1 2 3 4 ✓ 5

38. Placing of trash bins in different college areas.

1 2 3 4 5 ✓



1. Place

☐ Ground Floor

☒ 1st Floor

☐ 2nd floor

☐ Rooftop

☐ Play-ground

☐ Garden

2. Date

13/08/2019

3. Name of the surveyor

Rikta Mondol

190131300118



Energy Conservation

24. Turning off the lights when leaving the room.

1 2 3 4 ✓ 5

25. Using energy efficient light bulbs.

1 2 3 4 5 ✓

26. Walking or riding a bicycle instead of driving to college

1 2 3 ✓ 4 5

27. Switching off the ventilations when not in use

1 2 3 4 ✓ 5

28. Fixing dripping hot water faucets

1 2 3 ✓ 4 5

29. Reusing paper and bottles

1 2 3 4 ✓ 5



30. Recycling materials into a useful one

1 2 3 ✓ 4 5

31. Closing the door after people walk through the doorway

1 2 3 4 ✓ 5

32. turning off the computer when not in use

1 2 3 4 5 ✓



1. Place

☐ Ground Floor

☒ 1st Floor

☐ 2nd floor

☐ Rooftop

☐ Play-ground

☐ Garden

2. Date

13/08/2019

3. Name of the surveyor

Ranjana Moodal

190131300116



Water Conservation

14. Repairing the leaky faucet

1 2 ✓ 3 4 5

15. Repairing leaky toilets

1 2 ✓ 3 4 5

16. Throwing the garbage in the cannel/drain

1 2 3 ✓ 4 5

17. Replacing old equipment such as dishwashers with energy-saving devices

1 2 3 4 5 ✓

18. Talking to college administrators, maintenance coordinator and college officials about installing rainwater tanks

1 2 3 4 ✓ 5

19. Installing water aerators and automatic shut-off devices on faucets

1 2 3 4 ✓ 5



20. Using refillable water bottle

1 2 3 4 5 ✓

21. Turning the tap off as soon as you've washed your hands

1 2 3 4 5 ✓

22. Placing containers under college water fountains and use excess water in the garden

1 2 3 ✓ 4 5

23. Raising awareness of the importance of water by creating colourful posters on water use and water saving.

1 2 3 4 ✓ 5



1. Place

☒ Ground Floor

☐ 1st Floor

☐ 2nd floor

☐ Rooftop

☐ Play-ground

☐ Garden

2. Date

13/08/2019.

3. Name of the surveyor

AKRAM AKRAM SEKH

190131306004



Solid Waste Management

4. Segregating waste (bio-degradable from non-biodegradable)

1 2 3 4 5 ✓

5. Throwing or disposing the garbage properly

1 2 3 4 ✓ 5

6. Using materials that are environmental friendly

1 2 3 4 ✓ 5

7. Burning of Waste at high temperature

1 2 3 4 5 ✓

8. Using sanitary landfills

1 2 3 ✓ 4 5

9. Recycling materials such as plastic cups, bottles etc.

1 2 3 ✓ 4 5



10. Throwing hazardous waste products in the garbage can.

1 2 3 ✓ 4 5

11. Disposing electric waste products in the garbage can.

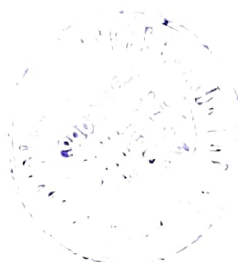
1 2 3 4 ✓ 5

12. Composting organic waste materials (vegetable peels, eggshells, etc.)

1 2 3 4 5 ✓

13. Creating commodities out of traditional waste products.

1 2 3 4 ✓ 5



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: RIMPA BHAKAT

Date of Survey: 13/08/2019

Device Type: ☒ Android App ☐ Instrument

Name of Device: dB Sound meter

Place of Survey:	Inside campus area ☒	Class room ☐	Office ☐	Canteen ☐
	Outside campus ☐	Lawn ☐	Laboratory (comp./phy./chem.) ☐	Library ☐

(if class room put the room no.=_____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	45.6	83.3	71.6	5 min	
2.	45.5	70.8	66.9	5 min	
3.	52.3	72.2	68.0	5 min	
4.	50.7	70.7	67.0	5 min	

I, hereby confirm that the above list is a true record of events.

Signature: Rimpa Bhakat



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: SALMA KHATUN **Date of Survey:** 13/08/19

Device Type: ☒ Android App ☐ Instrument **Name of Device:** LB Sound meter

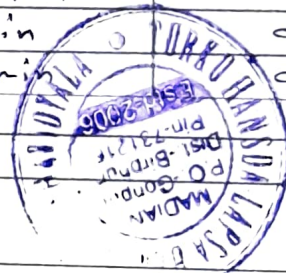
Place of Survey:	Inside campus area ☐	Class room ☐	Office ☐	Canteen ☐
	Outside campus ☒	Lawn ☐	Laboratory (comp./phy./chem.) ☐	Library ☐

(if class room put the room no.= _____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	55.3	86.1	67.4	5 min	Main source is vehicle
2.	54.7	82.4	63.2	5 min	do
3.	53.2	78.5	61.3	5 min	do
4.	51.9	80.2	62.7	5 min	do

I, hereby confirm that the above list is a true record of events.

Signature: Salma Khatun



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: SALIMA SULTANA **Date of Survey:** 13-08-19

Device Type: ☒ Android App ☐ Instrument **Name of Device:** db sound meter

Place of Survey:

Inside campus area ☐

Class room ☐

Office ☐

Canteen ☐

Outside campus ☐

Lawn ☒

Laboratory ☐
(comp./phy./chem.)

Library ☐

(if class room put the room no.= _____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	49.3	70	58.3	5 min	
2.	47.4	74.3	59.1	5 min	
3.	49.6	66.2	54.2	5 min	
4.	41.1	67.3	54.7	5 min	



I, hereby confirm that the above list is a true record of events.

Signature: Salima Sultana

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: RUPA MONDAL **Date of Survey:** 13/08/2019
Device Type: ☒ Android App ☐ Instrument **Name of Device:** dB Sound meter

Place of Survey:	Inside campus area ☐	Class room ☒	Office ☐	Canteen ☐
	Outside campus ☐	Lawn ☐	Laboratory ☐ (comp./phy./chem.)	Library ☐

(if class room put the room no.= 108)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	29.2	42.3	31.3	5 min	
2.	25.4	41.5	35.2	5 min	
3.	28.3	44.3	32.8	5 min	
4.	23.1	45.5	34.6	5 min	

I, hereby confirm that the above list is a true record of events.

Signature: Rupa Mondal



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: SANJOY KISKU

Date of Survey: 13.8.19

Device Type: ☒ Android App ☐ Instrument

Name of Device: dB sound meter

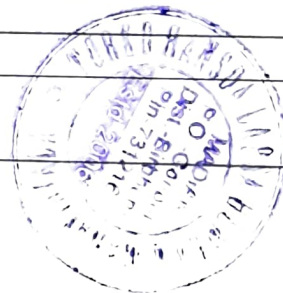
Place of Survey:	Inside campus area ☐	Class room ☐	Office ☐	Canteen ☒
	Outside campus ☐	Lawn ☐	Laboratory ☐ (comp./phy./chem.)	Library ☐

(if class room put the room no.= _____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	53.2	75.2	70.9	5 min	Main sound source is conversation
2.	49.7	78.8	65.4	5 min	do
3.	51.5	74.3	64.3	5 min	do
4.	57.4	76.2	69.6	5 min	do

I, hereby confirm that the above list is a true record of events.

Signature: Sanjoy Kisku



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student:

RIYA HAZRA

Date of Survey: 13-08-19

Device Type:

Android App ☒

Instrument ☐

Name of Device: dB sound meter

Place of Survey:

Inside campus area ☐

Class room ☐

Office ☐

Canteen ☐

Outside campus ☐

Lawn ☐

Laboratory ☒
(comp./phy./chem.)

Library ☐

(if class room put the room no.=_____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	21.3	32.3	25.3	5 min	
2.	22.4	35.2	24.4	5 min	
3.	25.3	31.1	22.8	5 min	
4.	23.7	38.5	26.7	5 min	

I, hereby confirm that the above list is a true record of events.

Signature:

Riya Hazra



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: RUMKI KARMAKAR Date of Survey: 13/08/2019
 Device Type: Android App ☒ Instrument ☐ Name of Device: dB Sound meter

Place of Survey:	Inside campus area ☐	Class room ☐	Office ☒	Canteen ☐
	Outside campus ☐	Lawn ☐	Laboratory ☐ (comp./phy./chem.)	Library ☐

(if class room put the room no.= _____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	53.2	81.2	62.2	5 min	Main sound source is Fan
2.	52.8	77.5	63.3	5 min	- do -
3.	55.7	76.3	61.5	5 min	do
4.	58.3	75.2	65.2	5 min	do

I, hereby confirm that the above list is a true record of events.

Signature:

Rumki Karmakar



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

NOISE LOG

(Should be kept by a person experiencing Noise Nuisance)

Name of Student: RIMPA BHAKAT Date of Survey: 13/8/2019
 Device Type: ☒ Android App ☐ Instrument Name of Device: dB sound meter

Place of Survey:	Inside campus area ☐	Class room ☐	Office ☐	Canteen ☐
	Outside campus ☐	Lawn ☐	Laboratory (comp./phy./chem.) ☐	Library ☒

(if class room put the room no.= _____)

Sl. No.	Min Reading	Max Reading	Avg. Noise Label	Total Time of Survey	Other Comment
1.	32.4	52.2	41.2	5 min	
2.	35.2	48.7	43.4	5 min	
3.	38.1	49.2	39.7	5 min	
4.	34.3	53.4	42.5	5 min	

I, hereby confirm that the above list is a true record of events.

Signature: Rimpa Bhakat

