

### The Rufford Foundation Final Report

Congratulations on the completion of your project that was supported by The Rufford Foundation.

We ask all grant recipients to complete a Final Report Form that helps us to gauge the success of our grant giving. The Final Report must be sent in **word format** and not PDF format or any other format. We understand that projects often do not follow the predicted course but knowledge of your experiences is valuable to us and others who may be undertaking similar work. Please be as honest as you can in answering the questions – remember that negative experiences are just as valuable as positive ones if they help others to learn from them.

Please complete the form in English and be as clear and concise as you can. Please note that the information may be edited for clarity. We will ask for further information if required. If you have any other materials produced by the project, particularly a few relevant photographs, please send these to us separately.

Please submit your final report to jane@rufford.org. Thank you for your help.

Grant Recipient Details	
Your name	Sagar Dahal
Project title	Re-accessing and identifying the conservation needs of Fishing Cat after 1836 in Bankalwa, Sunsari, Nepal
RSG reference	1765
Reporting period	2016-2017
Amount of grant	£3780
Your email address	sagardahalinktm@gmail.com
Date of this report	28/03/2017

#### Josh Cole, Grants Director



1. Please indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Survey Designs and Grid				Bankalwa is largely occupied by human settlements and we surveyed at the vicinity of Bankalwa within Ramdhuni Forest and Prakashpur area to record the fishing cat. The cat was successfully recorded them from the area. Due to the topographical demand survey design was changed from grid design to line transect.
Camera Trapping				Camera trapping was conducted to record the fishing cat in Bankalwa and we were successful to record it. The camera trapping additionally recorded the eastern most record of fishing at in Ramdhuni Forest.
Water quality Analysis				Water has different quality within different parts of years and the logistics to carry out the analysis of water the year round was not feasible to carry out.
Structured Interview				Fifteen people were carried out for structured questionnaire and additionally four focal group discussions were carried out with school teachers, fish farmers, local community of Prakashpur and Ramdhuni Ban.
Awareness campaign				Awareness and outreach programmes to the students of 16 schools, two groups of fish farmers and local communities of Ramdhuni Ban, Thulimohor,



	Prakashpur and Bankalwa were
	organised with the support of local
	community.

## 2. Please explain any unforeseen difficulties that arose during the project and how these were tackled (if relevant).

There were many difficulties during the project. The major worry was the fear of losing camera traps from the field. The project site is near the border of India and as Nepal and India has free border the crime rates are high including smuggling of goods. Hence, we were in constant pressure of losing cameras. So, to guard the cameras everyday till the end of the project we hired a local assistant to guard them regularly.

The other difficulty was to analyse the water quality of the rivers and ponds. There were different ponds and river segments within the survey sites and we were bewildered about the samples to be taken and analysing. Also, the natural water quality changes with the passing time of the years and hence we did not take water quality samples but referred from the secondary sources.

#### 3. Briefly describe the three most important outcomes of your project.

The three most important outcome of the projects are:

- 1. We were successful to add new distribution location of fishing cat in the eastern terai of Nepal which also became the eastern most record of fishing cat at the vicinity of Ramdhuni Forest.
- 2. We confirmed that the periphery of Bankalwa still holds the fishing cat population after the publication of its record from the area nearly 100 years ago by Hinton and Fry.
- 3. The conservation awareness programs were designed and delivered to the concern stakeholders like fish farming community of Ramdhuni Ban and Prakashpur area. Also we talked to the local community about the threats to the cats and discussed the ways to mitigate them in future as awareness programs only are not sufficient to conserve the cats when they are taking away the fish from the local fish ponds of fish farmers.



## 4. Briefly describe the involvement of local communities and how they have benefitted from the project (if relevant).

Involving local community was the major parts of this project. We discussed the threats faced by the fishing cats in the human dominated landscapes of Sunsari. Our study sites for the camera traps were chosen after the consultation with local community. We now know the existing threats from human and the conflict created by the fishing cat by taking away the fish from the private fish ponds.

We conducted outreach programmes in school and among the villagers of Ramdhuni Forests and Prakshpur area about the fishing cats their distribution, food behaviour, threats and ways to conserve them. We also delivered the message why they were rare and important for the wetland in the ecosystem.

#### 5. Are there any plans to continue this work?

Yes, there are plans to continue the work in the same area. I am planning to conduct my graduate study in the movement ecology of fishing cat in the human dominated landscape of Koshi river basin using radio telemetry study. I have already submitted the project proposal to the University of Delaware and waiting for the acceptance. The main goal of this study is to explore how the fishing cat population us using the human dominated landscape every day, what are their exact hunting grounds, their home range and dispersion rates? In addition to that we can also record the conflict prone zone and diurnal behaviour of fishing cat in the landscape.

The other plan is to support the fish farming community of Sunsari district. Fishing cat is in conflict with human within our study area as they take away fish from the private fish ponds and decrease the profit. If the fish farmers are not motivated for the conservation of fishing cat the future of fishing cat in this area is in danger and may result to complete extinction.

We found out that Sunsari district has the fish farming pocket areas within Prakashpur and Ramdhuni Forest area and District Agriculture Office of Sunsari is promoting the local community for fish farming and sees the fish raiding species like snakes, otters, birds of prey and fishing cat as nuisance for fish farming and hence has the programs to check their presence. But the office of Koshi Tappu Wildlife Reserve has the aim to preserve wild animals and birds of the reserve and its buffer zone. Hence, there is lack communication between the inter office goals of the government. Hence I am also planning to work on bringing both the stakeholders together to find out the common ground for promoting fish farming and preserving other wildlife's including fishing cat.



#### 6. How do you plan to share the results of your work with others?

The results obtained from the project will be shared through scientific publication and popular article in local newspaper. Also, the final technical report produce will be submitted to the offices of concern stakeholders.

## 7. Timescale: Over what period was The Rufford Foundation grant used? How does this compare to the anticipated or actual length of the project?

Activity	Time Period	From	То
Reconnaissance Survey	15 days	December 2015	January 2016
Camera Trap Survey	1.5 months	January 2016	February 2016
Questionnaire survey	1 month	January 2016	January 2016
Awareness campaign	25 days	November 2016	November 2016
Report writing	4 months	November 2016	March 2017

8. Budget: Please provide a breakdown of budgeted versus actual expenditure and the reasons for any differences. All figures should be in £ sterling, indicating the local exchange rate used.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Field Staff Stipend	1260	1260	0	
Travel From Kathmandu to Morang	120	120	0	
Local Travels (A motor bike was bought)	0	1200	1200	This was bought from the support of Wild Oasis and Small Mammals Conservation and Research Foundation
Fuel Expenses	0	300	300	Fuel expenses and maintenance expenses of the bike were needed which was compensated from the lodging and food expenses
Lodging and Food	1800	1500	300	The lodging food expenses were less than expected as we stayed in homestay
Camera Traps	1000	1000		Five camera traps were bought



			from UK
Awareness Program	600	600	Tea and snacks were provided to
Meetings			the organizing members of
			awareness program in the school
GPS	100	100	A GPS was bought in Kathmandu.
Stationary (Diaries,	200	200	This was provided by Small
Plastic bags, pencils,			Mammals Conservation
photocopies, flex,			Foundation
report printing)			
Water Quality Analysis	200	0	We could not conduct the water
			quality test of the ponds due to
			logistics problem.
Accidental Insurance	120	120	Accidental insurance was covered
			for field assistances

#### 9. Looking ahead, what do you feel are the important next steps?

The next step of the project is to conduct the movement ecology and behaviour study of fishing cat using radio telemetry devices and working with the community to conserve the fishing cat where both Fishing cat and the local community can live in harmony.

Also, from the policy level fishing cat must be upgraded to protected species of mammals list in Nepal. Small Mammals Conservation and Research Foundation has recommended the government to enlist the fishing cat within protected list. Without upgrading the species within protected list, the species are not within the government jurisdiction if found persecuted outside the protected areas in human dominated landscape. Unfortunately Fishing cats are in threats from direct poaching, electrocuting, hunted by watch dogs and destruction of habitats through pollution and poisoning of water for fishing within human dominated landscape of Sunsari district.

Fishing cats were historically found in Jalpaigudi district of West Bengal, India (Ingles et al. 1919) which is further east of the current study site. Hence, the fishing cat must be surveyed further east in Jhapa district of Nepal and explore whether the fishing cat population is getting dispersed across the boundary to India. This is very important to understand the whether the genetic flow of this cat is maintained even in the modern time. And if the cat is still dispersing this area would be a very important transboundary site for initiating the conservation activities between two countries India and Nepal.



# 10. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did The Rufford Foundation receive any publicity during the course of your work?

Yes, I produced a Fishing Cat conservation poster and used the logo of Rufford in it. Also, during the awareness campaign the flier were used with Rufford logo on it.

11. Please provide a full list of all the members of your team and briefly what was their role in the project.

#### 12. Any other comments?

Fishing cat is a habitat specialist animal residing near wetlands, rivers and ponds in habitat. In Nepal they have been known to occur in the protected areas of Terai but the recent study shows that he human dominated landscape are equally important hunting ground of the vulnerable species. Fishing cat experience less threats in the protected area but the risks to their survival is high in human dominated landscapes. Hence, conservation activities must be focused on reducing human conflict and pressure on these species. We are thankful to RSG for financially supporting this project.

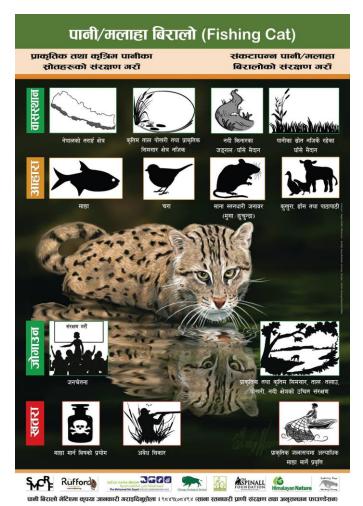


Figure 2 Poster of Fishing cat for the conservation awareness program

Annex:

Attendance Sheet of the Students of Different Schools

Ramdhuni Higher Soundary School Ramdhuni Vhasi - Sunsani Name & The Student Grade Signature S.N. Chandrakalo Budhathoki Nine 9 Nisha Basnet 9. 9 Anizali Chaudhary 3. Ashma 9 Jashma Khadka 4. 5 Riya Chaudhary. g Rita Khadka 6. 9 7. Samphana chaudhary. 9 Sanjhand UTWO susmita 8. 9 RANJANA Chaudharry Susmite 9 9 Run Kanchan Chaulagal 10. 2 KanChar Sunity Khatri 70 9 12. Binida Subba 9. 13. Bhagwati chaudhar g. Bhaguert batina Chaudhay 14. 9 basnet Kushma 15 9 12 17 ANisha chaudhary 9. Bhagquati chaudha Ahlsha 3 Brogsidati 12 Hisha 9 RABITA Shrestha 19 9 KIBITA 20 sayswati B.K. 21 Pratikska Thada Sarswati 0) Pratiksha 9

Figure 1 Attendance Sheet of Ramdhuni Higher Secondary School

Joy Saptaka

Frahashpur - 8, Sursani

S.N. Name of Student 1 Nisha hautam 0 KANCHAI THAPA Anui Adhikar
Anui Adhikar
Moxesh Yadav
Iapsang Gurung
Gonam Rai
Gonam Rai
Anap Magaz
Susit Achary q Anuj Adhikari (9) Shiv Humas Showing D By ush Khad wa Bina Uraw (11) Chhow Achaoyg (2)B Rachana Ras 14) Pariyanka Basnet Jostika parajuli 15 Diksha Karke (16) 17. Nillsha Niraula 9 18. puspa koirala Prakash Adhinar? 29 20 10 20) Bibosh khadko 10 (21) Suman Poudel 10 (22) Rajan Karki

Grade Signature 9 Marin 9 9 9 9 9 9 9.6 7 9 9 Oly 5 Rachar 9 nog 9 Roshka Piksha 10 ilista aign

Academy

Figure 2 Attendance Sheet of Jay Saptakoshi English School



Prakoshpux - 8, Sunsar?

S.N. Name of the student Grade Senature Anita chandrebashi 5 Ahica Sumita chandrebashi 2 Somit 22. 23, somitta Rabirath 4 Symittath 24. 25. sima Kabirath 2 sima 26, pusma pariyar 5 Pusma 27 shikum limbu 5 Sikam 28, Sarita limbu 5 Karuna Kabitath 4 Savita 29, 30. Yasoda Kabirath 5 Yasoda 31 Bimal Pariyar 2 Bimal 22 Pojina chandrabashi 2 Rojina 33, Binita Kammar 2 Bloitga 34, swastike brand 2 swasticke

Figure 3 Attendance Sheet of Jay Saptakoshi English School

Nome og svædents Sufala kærele Careade neuture 10 Padma Kaski ID Devika Rai 10 Muna limbu 10 Asmita Basnet 10 Aayush Jama Bidur Dehanya 40 40 Prabin Tanong Rupak Sunam SachinBasnet Aashish Biswokanna Sudip. Khadka 10 Preabin 10 10 10 10

Figure 4 Attendance Sheet of Jay Saptakoshi English School

Gyan Systi Primary School Prakashpur - sunsasi Name of the student Grade Signature S.N. Mithun wowaw 5 mithun 1 Hemanta Hemanta Bhusel 4 2 54803 SUBAI Viewa Uraw 3. 5 И, suresh dai 4 suresh 5. Indra Kabitath Kabireth 2 Nisa Magar 3 6, Dina Kabirath Nasi 7 8, 3 NZal Saline Bral 3 Sima Kabirath 2 3, Stalina 10, susite uraw 5 simo Sutita 11, Sabina Uraw 5 Sabina 12 puia uraw 5 Paio Puspa 13, PUSPa Uraw 5 14, salina uraw 2 15 Dipika Uraw 2 saling Dipika 16, susite vrew 2 Sujita 17. Anjali Uraw 2 Anj 9/1 18, Granesh Kabirath 3 GNDESH Raj Kabirath 3 19 Raj K. 20, hamal pariyar 3 KAMAL 21 Birendra Neyapane BIRENJRA

Figure 5 Attendance Sheet of Gyan Jyoti Primary English School

English Prakashi Sunsasi Prakashp Signahure Name of the Students Grade S·N Saural Ghimire 10 Ryan Bhutfaras 10 2 q Alson Bhandari 3 0 Bibek khadka 9 B Nandawstor 9 Avishele Karla 6. 9 Budarshan Kafle 7) 9 9) Akbor moya 0) (s) krishna kr. melita 9 10) Neetesh Kr. Menta 9 Posting fout 11) 10. (12) Turushottam Kr. Mehta. 9. (13) Jitendra Rouniyar 10. De Barbasit Roi 9. 15) Shiv Kumare mehter 9. 26) kevin khadka 9 27) Probin Tamang 9 18) Deeksha Beesta 10 (g) Sonika Rai 10

Figure 6 Attendance Sheet of Prakashpur Dover English Academy

20. Dikshyg Rai 9 21. Manila Rai 9 monils 22. Jenila Rai 9 23 Sandhya Karn 10 24. Bandana Kuraasi Mehta Condhyla 10 25. Ranjana Kumari Mehta Fandang 10 26 Kabita Kumari Meuto Bajarg 10 27. shahin prawin 28. Ranjit Krimehta 10 Thain 9 29 Pawan - Pokheel 999 30. Dinesh thodosong (me) 31. Alex Mehta 20000 9 32. Rajual Jung Beests 20 9 33. Amosha shoestha 34. shilpa khatri 9 35 Ankita Adhikari 9 BG. Sangeeta khadka 10 37. Kabita Basneet 10

Figure 7 Attendance Sheet of Prakashpur Dover English Academy

Garden Academy, Sunsasi Chakra Shathi - 2 Sunsari

5

Madan limbu Roshan Rai Pvabin Qai Garima Thapa Smoriti Guorung Nabina Limbu Nisha Rai 10 10 10 10 10 10 10 10 10 10 10 10 10	
Roshan Rai 20 Prabin Rai 20 Garima Thapa 10 Smorifi Guorung 10 Nabina Limbu 10 Nisha Rai 20 Nuj	
Prabin Rai Garima Thapa Smariti Guarung Nabina Limbu Nisha Rai 10 10 10 10 10 10 10 10 10 10 10 10	
Smorifi Guorung Nabina Limbu Nisha Rai 10 Grouli 10 Nul	
Nabina Limbul Nisha Rai 10 Grouli Lo Nut	
Nisha Rai 10 Gorouli 10 Nul	
to Nut	
Nime .	
Herisha Rai 10 molti	
Suhana Ocharya 10 The	
Alcriti glumire	
Rojila Moley 10 Ott	
Ruth Rai	
Karung Bhandari 10 RUCHA.	
Pramisha shresha 10 Khoking	
20 Pranisha	
Rabina Shuestha 10 De	
Sautar Dhungana 10	-
Swapnilshrestha 10 shar	
Nabesh Iwitel	
SUMAN Niroula 10 Clhein	
daugat downet. It Julie	
Baugat Basnet. 10 Sunt	
10 60 toward	
Mukesh chardhary	
Saphal Pokhrel 10 Mukest	
ant	
Tufan chavhan 10 this	
Salon Dhakal 10. Aug	
out	

Figure 8 Attendance Sheet of Garden Academy, Sunsari

Sunsun: Garden Academy Chaleraghathi - 4, Sunsari Crode Name of the student Signature 5.N. X Jenish JENISH Magan X Sta Sagaer Magaer Sagare limbur of and & Day Wilesh Niscoula X

Figure 9 Attendance Sheet of Garden Academy, Sunsari

Prakash \* condary Schoo) Synsani 8 Name of The Student S.N. Grade Signature 7. Ambar khadka 9 2. manik kabirath D 3. ganesh chandrabarchs 9 4 Roshap Ralt 0 Machesh Shah 5 er 9 @ yag ya b. k D Copal them drabangly 0 18 ozansh GabizaAh 9 I saray kuneely Dhames nury Mo 10 ChiRAwibi Par 0 12) Aur. Tamang 13 Manil DivAli 14 Indra BUdhathorig 13 Dhun Khadaga 16 Madan Kumur Kabirath 17) Rajesh Pal 9)(9) mont 18) Jony Bok

Figure 10 Attendance Sheet of Prakashpur Higher Secondary School

<u>S.N.</u> Name of the shidents <u>Grade</u> <u>Cienchure</u> <u>1</u> handhya S.K. <u>3</u> A Southhya <u>2</u> superize Parize <u>3</u> agyuse parte. <u>4</u> J. Senchite Parize <u>3</u> agyuse parte. <u>4</u> J. Senchite Parize <u>5</u> Suphana Karki <u>5</u> Supha Pal <u>5</u> J. Ana Karki <u>5</u> J.	Prakash Pratiant pro	Secondasy * 8, Sunsani	School
23) Sandling Sundas. 9B sue	1 handhya B. K 2. superiya Pariyar 3. Agyusa panta. 4. Sanchita poknoral. 5. Suhana Kareki 6. Binita baral 7. Kumar bista 8) Lushita Basnet Ye Nisha Katuwal 206 Zasoda B. K 11) Rita Basnet 126 PuNam Basnet 127 PuNam Basnet 13) Arpana Katuwal 14) Sita mojhi 15) Diks ra BrattaRan 16) Sajana Majhi 174 Hira Khatsi 18) Sabina Poudel 19) Jasha Pandif 20) Perbati Pal 21, Sudha Pal 22, Sungha Khadka	9A 9B 9B 9B 9B 9B 9B 9B 9B 9B 9B 9B 9B 9B	Southype Auerita AL AL AL AL AL AL AL AL AL AL AL AL AL

Figure 11 Attendance Sheet of Prakashpur Higher Secondary School

	Prakash Higher - B.	ondary Sch Sunsari	
5.N. 24 25 26 27 28 29 30 32 30 35 30 56 45 39 40 22 42 42 44 45 46	Nome & the chideds Alisha b.k Neha Umby phul Kumari poul, susma chand ara Babishi Manika Magak Alija Khatii Baia paudel urmika duandodoanochi Sunita Khadka bi malg chahasabhshi Sabana Pobar Bhowana Pobar Bhowana Pobael Renuka katwa Sanu Karka Ramala B.K Shova Pal sauni uraw Sunita Pal sauni Uraw Sunita Uraw Sunita Uraw	Grade 9BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	Senature Addition Person Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barrow Barro

Figure 12 Attendance Sheet of Prakashpur Higher Secondary School

Sit word FILE ZIII JIG 195110951 FAID M Date: 8 Nov. 2016

Signature amde Name SNI. Bassha khatei 1. 10(B) 2. Sunita shah Jo' A' 3. Babita Bista 10(B) 21. Menuka Dahal. 10B) Indiaa otha 10 (B) Anisha Koisala 10(B) Usha dahal 7) 10(A) TISHE paude 20(B) abita 10(B) pika Thattarai @Arnchab Kha iwada 1075 (1) Gusmith KhatRi SB SomitA (12) Anuja Basnet 9(A) Abufa 13 As Jaha chaudhasy 9(B) Artaba 14) puJa chaudharry 9(A) PUJ9\_ (15) Anjal Magar Awat g(A) (16) Susmita Rai BUSNitg g(A) (17) Anjali Dai SA) (1) Apsan Khatun 9 (B 13JPJP Pornarel (10) 3(B) (2) Bhupendra Basnet 9 (A) (S Prakash brajmer 21-) OLB Adhikari ANTON 013) Autsher Chaudhary 3(0 HARINA gym OS ( ahal 10 (B 10 1 4 2 kng lo Om Day Lumer

Figure 13 Attendance Sheet of Janata Higher Secondary School

UTO 811. aum Date: 10 Nov 2016 5. N. Crate Signature IRAI 20 SONT 9 Rity Mamata chapagain 2. 9 Mandal 3. luna ozza 9 ·luna laremé gautam 9 laseme आयुषा मराजुली 5. 9 Aay Imaviella Stateugh 6 9 chaudharey 7 9 8) Sunita tamang 9 Nixmala Parazule B 9 (10) Swastf K2 OJh2 9 (1) sansita Tamang 9 (12) Ashmita thati ietg (13) pijan Hatewal 9 (14) Bhuban Khats 15 Abikesh Adhikori 9 9 16) Symen Laber 9 Kiron Ras (17) 18) Ayush Korki Anish Juldi 19/ 20) Susan Bista 21) Anuray Adhikari

Figure 14 Attendance Sheet of Janata Higher Secondary School

माह याम नि शालः KICHC Date: 10 Nov. 2016 5.1. Name ande Snothinua Signature 9 Se Rakesh 24 Hari. 25 bista 3 Nawaraj Khadka 26 P keshav Dahal (27) 9 10 28. Sijon shrestha LO 2° Bishesh rachoal 30 Chidamani bruragani d 20 31 Sandesh Ramdam 32 Chuda mani g 33 pradip poudel 34. Anish Rai 9 - itesh Rai 35) 9 36) Chandrimohun Thakur 10 LATES ·Sentesh Benjaga 10 101 Saurabh Karki 38) 4 10 - Per Ray Pardel 391 10 Sarof pai 10

Figure 15 Attendance Sheet of Janata Higher Secondary School

English Boording Unique Academy yhasi. Thumka NEDal Date 7 Nov 2016 Cirode Signature Name SIN. Binisha Thapa Eight 1 Eight Maniksha Shrestha 2) -Eight Samikshya magar 3) 4) sadiksnya chaudhary Eight Jyonika chaudhary Eight 5) Eight 6) Jyotika chaudhary eight Nitu parazuli 7> 8) Aishwarya Karki eight Rojina khatri 9) eight eight 10) Pranisha Katwal eight 1) Abina Karki FIBAT 12) Swastika Chaudhary eight Manish chatual reight 13) eight eight eight Nischal khatiwada 14 15) Alisa bista eight 26.) Sanchilty Katle Sight 17) Aacharya Szishmita 18) 10ina Sight Rabina Raut Giarima Trai 19) Eight 20) Radha Karki Sight 21 Riya Dahal Eight 22) Upaksha khadka Eight 23) 24) Aakriti Basnet sight Arati Karki Eight 25) 26) Karuna chaudhary

Figure 16 Attendance Sheet of Unique Academy Higher Secondary School

Unique Academy English Boarding School Masi-5, Sunsari, Nepal Dale FNOV. 2016 Grode signature Name S.N. 8 Aashish Karki Tulsi Bhattarai 27) 28) 8 Dipendra Basnet 8 29 8 Shantiram Niraula 30) Rupesh Regni Powan Thapa Roshan Khatri 2 31) 8 32) 33) 8 34) Manish Chaudhary 35) provers chaudhary 36) sandesh chaudhary 8 Mo 37) Difesh Chaudhary 8) ary 38) Kunal Nyusta mo 391 Biber Shih 30) Ashok Basnet ui) Nishan Khad ka 42) Promod Bista 19 43) Nischal Noraula 44) Manish Bis to 8 (8) 45) Whesh Shakal (46) Binod Kerki

Figure 17 Attendance Sheet of Unique Academy Higher Secondary School

Lord Buddha Higher	Secondary Sc	h001 -
Vhasi-5, sons	1 to the taken	Date 8 Nov 2016
S.N. Name	Cirade	Signature.
1: DIPEJH GUPA	TEN (X)	all
2. Rakesh Parajuli	Tena	AT F
3 DeePa Adhikari	Ten(x)	Prof
4. Saloneey Regmi	Ten(x)	alonear.
5. Diksnya Shrestha	Ten	Binyalma
6. Rakshak pokhrel 7) Jitesh Khedka	Pen	Adda
induct de	Ten(10)	A
8) Jakesh Basnet 9) Deepika Neupane	Ten (Z)	Outesh
	Ten(x)	Gint
10) Sisam chaudhary II) Scoestika chaedhary	Pen(x)	Dipika
12) Scoastika chaedhary (12) Sumitra Jehatri	Ten Cx)	swashika
(13) Resika Karki	Ten(y)	(b) ==
(14) Divy a Bhandari	T en (X)	- Auto
(15) Yugesh Chaudhary	×	(Janundar)
(16). Prashant Chaudwary	Ten(X)	- A
(17) Sandesh shrestha	Ten (x)	- Paper
18) Sagar Neupane 19) Prekshan Nepal	Ten(X)	(Jeweentra
19) Prekshan Nepal 20) Sabin Kafle	ren(x) Ten(x)	20101
21) Sneha Bhandari	Ten(x)	abil
22) Sabina Khatiwada	Ten(X)	Saep.f.
		And
	an a	an and a set of the se

Figure 18 Attendance sheet of Lord Buddha Higher Secondary School

Lord Buddha Higher Secondary School Nhasi-S, Sunsari Mepal Date & Nov 2016 ande Signature Name S,N' Jerwan Bhandari 10 Anil chaudhary Roshan Majili 2 20 3 10 4 Rashan B. tr. 10 Jenis Neupane 10 .5 10 Asmit Rayamajhi 6. 7) Swastika Acharya 10 8) Sushmeetd Pandey 70 9]. Anii Regmi 9 Io) Mausom Sapkota ; 9 11) Prakash Choudhary 12) Oushant chaudhary. Mounts 9 9 nepan Karki (3) 9 (12) Somanta Thapa 1conc " 9 Matrika Dahal 15) 9 46 I shwor Orwan, 9 shipp Sabin Raut (17) 9 Sono Shreetha (10) 9 Diwas Bhandari 19 9

Figure 19 Attendance sheet of Lord Buddha Higher Secondary School

Name Grade SIGNATURE Dipendra shresthy 20 9 Bend Bikram shrestha 0 Milan Magrati Dee per Limbu ġ 22 9 23 Pranis shah 24) 9 Vivef Rai Azay chaudhary Gabin chaudhary 25 9 26 9 27 9 Asmita Dahal 9 Tyoti chaudhary (29 9 Peakeiti Schataai 30 9 Prilyanka Pandey 01 9 92 Boja kliadka 9

Figure 20 Attendance sheet of Lord Buddha Higher Secondary School

Lord Buddha Higher	Secondari	y School
	Sunsari Ner	
Caller (	100-2010	Dare Siver 2010
SN. Name	Cirna	te signature
1 Kabita Basnet 2 Ayusha Poudet	JD	ANA
3 Supriya Adnikari	10	stak
•	IO	aufo
4 Ankit Thapa 5 Ayush Dahal		que Trop
	10	211 Qu
Cojan Hankası	70	statterand?
7. Poonam Pandey 8. Eisbaina Chaudhan	10	fornemander
end endednary	10	Eishaing .
	10	AShy Manha R
(20) Suresh Dhakal	-10	Sweepinko
11. Rabin Bhandari	10	Art W
IT. Ween on		200040
12 Bharat Niroula	10	Bharof.
13. Asma Acharya	70	Alma
14. Sagon Karki	20	Sagenfask;)
		Kaski
15) Arya Acharya 16) Sabina kafle	<b>9</b> '8'	Asua
7) Anjali chaudhary	961	Sabiral
18) Alina Karki	3, B, J, B,	Antoing
19) Sandhya Shxestha	3,B,	A lie
20) Aozju Gojuzel	9'8'	Sondhy
21) Riya Karki	g (B)	Diveland
22		NUC

Figure 21 Attendance sheet of Lord Buddha Higher Secondary School

22) sujata pandey 'g'A criad e Elgnoture. 23) chita Stha giA cuato 9 (24) Karina Khadka '9B 9 Karine (25) Yubing chaudhary 19'B 9 Yubing 26) Swastika chaudhary '9'B 9 27) lazeni chaudhary g'A' 9 mi 28) Menuka Khatiwoda q'A' 9 sonu cha udhary 20) grAi 50 Manisha Khatri 301 3B (3) Sabita chaudhary 9 A Se Fny khadka 9 8'B' 00 plabita khadka 32 Eny 33) Deepsikha Thapa 9'8' 99 34) Ansu katle 9.8' e equika 9'8' 35) Shristi Karki 9

Figure 22 Attendance sheet of Lord Buddha Higher Secondary School

CADEMY Sunsari, Nepal Date: 9 Nov 2016 Itahasi S.N Sprature. Name of the students Grade Nismal husung Princi Khadka 1, 2. 5 3. Jests Bhattarai 5 Saxlab Bista 4. 5 In Sms Salina Khatun Kultisha subedi 5. Unisha Adhikari 5. Shitusma Adhikan 7. 5 8. Bishal-Bhandari 5 Anity Sudio sapkota 9. Anuska 10 B.K 10. 5 Prashna - Dahal 5 11. 5 12. Nira J chaudhary 5 13. Nisdesh Nepal 5 14. Suprim regmi Ning 5 15. Kritika-Poudel 16: Spijal-Acharra Tresh 5 17: Kritisha subedi 5 18. Bigyon Pasajuli 19 Biarata Pokharet 5 8 5 5 20. Bikash Bbattoai 5 21. Himesh Dahal 5

Figure 23 Attendance sheet of Amurt Acadmey

282 Anusha Khatri 5 23. Riya shah 5 il visto9 1/04 Rich

Figure 24 Attendance sheet of Lord Buddha Higher Secondary School

AMURT Academy Itahari-s Sunsari, Nepal Date 9 Nov. 2016 Name of the students S.N. Grade Signature Aalzash Gurung. 1. 6 2. Aanyan Baral 7 3. Rojan Timsina 7 4.0 Darpan Luitel 6 sanket Dahal 6 6) Profik Acherya 26 7) YUJab Bista 6 8) Sugar Dahal 7 Pratik chapagain ger. 9) 6 Biggan luitel 10) 6 Nishant Gursung 1I) 7 12) Shristi k.C 7 13) Shreya Acharga 7 (14) Anish Khawash Poratika dchaoya 13) (16)Sarala Koirala 6 17) Shresh Achaiga 19) Ramila Nisoula 19) Sayuna Gihimise 6 20) Ayasha Koirala 6 21/Nisha Niroula ta C 6 22) Ritika chaudhary 6

Figure 25 Attendance sheet of Amurt Academy

JYDT SECONDARY Haham, 5 + Halkora SCHOOZ Chowk Date 10 Nov 2016 Signahme Name of the student Grade S.N. Shive 9 Shive Acharger 1 Rajan 9 2 Rojan Pariyar Bhabindra Thapa 3 9 sillan sheestha 4 9 Bibox rehal 5 9 Hira Rai Baines 6 9 Moudesh Rai 7 3 Suran B.C 8 9 UTTAM TAMANG Amit-Chaudhary Suruchi Thapa 9 9 10 0100 11 Suruchi ARTYAR 12 POOZA D Smoree TI maren Swastika chaudharg 13 9 14 999 Alisha chardharry Romita crailhorry 15 SWaSHKA Alisha 16 Asmble 17 Sabina Adhikari 9 bing Diksho Rai 18 9 Diksha 99 SHOFFINTAMANQ 19 Lalita Shah 26 9(B) Menuka Shah 21 9(3) laxmi chaudhary 22 9'B' 23 Rozina chaudhary 9 (B)

Figure 26 Attendance sheet of Jyoti Secondary School

29 Bhumiltaa Thapaliya 25 Janchu Adhikari Pabitra Adhikari 9 Aniled g 9 86,49 27 Normala Karki 9 inale 28 Bipang Shrestha g 29Menyka Khadka Bingna <sup>3</sup>Ranjila Basnet <sup>3</sup>Ranjita Nepal 9 A 9 32 Aayusha Magar 33 purti Rai 34 kimika magar g Ranita 9 usha 9 .9 तन्त्रणाइआ भी ज्योति माध्येमिक विद्यालय हरगडा इटहरी-४, सुनसरी

Figure 27 Attendance sheet of Jyoti Secondary School

	NAVA 1	KIRAN SCH	DOL
	Jhur	nka, Sunsani	time (0)
	A EX	De	ate 11 Nov 2016
S.N.	Name of the students	Grade	Signature
E	khugi Rai	5	Burnly,
मान्नन	Diksha. Dulal.	5	Buy
	Kedina Basnet	S	Ŧ
u)	Bibisha Khatiwada	5	gruns
. 5)	Monika Ghroetha	-7	Buch
6)	Krizonzi Nepal	7	Main
Ð	Samihana Gurung	5	<u>Ge</u>
8)	Apeksha karki	5	Saryhang
3	Anamika Adhikazi	7	
(ما	SaxSwati Raut	7	A
11.	Aayusha Shrestha	7	and
12.	Susmita Shakel	7	Ry
13.	Neha Sitoula	5	Aayusha
14.	Aman Gurung	5	A
35.	Ankit subedi	5	Whent
16. Kr 17. Soci	1'96 Shreston	5	Ameri
Sasi	Sen rai	5	A
18 Aak	eash Adhikari	(	Und
19 Aay	ush shresthe	5 6	si
L Odla	Wesh shrestha	s A	ny
		7 (Adnimori A	mf.
	a set in	Floring N 2	7

Figure 28 Attendance sheet of Nava Kiran School

Name of students Organendra Basnet 5.N Grade sign 5 4 m 12 Dipesh Rokka 5 temu 23 Sunil Basnet 5 sohat Bayalkofi Samees Dahal Nisnenal Bhattarai 5 25 han 57 26 STEX Anish Sopkota 7 Thapa Ahishek 5 28

Figure 29 Attendance sheet of Nava Kiran School

Rouging School Unique Hadem Mhasi-S C Mepal Date 7 Nov 2016

S.N. Mame Signature Grade 1 Aadorsha vishwas 9 pravat chaudhant 2. 9 3. Mukesh chaudhary 9 aftern 4. Nischal Tamang 9 5. Sherkhar chaudhary 9 6. Paras chaudhtry 9 Ramesh chandhary 9 8. Bisho' choudbary 9 g. Swastika chaudhary G 10 Mahima chaudhary 90 11. Susma Chaudhary 9 12. Namita Khadka g 13. sandhya Gautam sharma 14. Diga puwar 9 9 15. Manisha khatri 9 16. Ranjana Chaudhary 9 17. Sarana khadka 9 18) Jyoti poudel 9 19) Neta Grupta 9 20) Pabitra Regmi 9 27) Sandhya Khadiza 9 22) INU Khadka 9 23) Prakoitee Poulel 0 9 24) Simran Chaulagain 9 25) Aspana Adhikasi g 26) Ashima Khadka 27) Prayash Paudel 9 281 Krishna Giri

Figure 30 Attendance sheet of Unique Academy English School

Unique Academy English Goording Whasi-5, Nepal Date 7 Nov. 2016 SN. Name Grode Signature 29) Nishont Niraula 9 Rajesh khadka 30) 9 F) 31) Sujan Achorya 9 32) SUZAN BASNET 9 32) Avi Rai 33) Aashish Ghimire 99 84) Anil Gajmer 9 35) Sudan Khadka 9 36) Ram chandra Basnet. 9 37) Ritesh Khadka 38 Roman 1 Mod Ka 9 39) Sabin R9; J 40. Nischar Achorya 41, Rupesh Khadka 9 9 (12) SUZAN Albanda 3 43) Fiber Lasti 44) Sving san 9 9 45) Arpan Acharya 9 (46.) Niras shah 277) Sanjeev Ranapal 9 ABISHEK K.C. C 9

Figure 31 Attendance sheet of Unique Academy English School

Unique Academy English Goording Masing, Sussee Mepal Nepal Date 7 Nov. 2016 Grade SN. Name Signature 29) Nishant Niraula 9 30) Rasesh Khadka 9 9. 31) Sujan Acharya 9 32) SUZAN BASNET 9 32) Avi Rai 33) Aashish Ghimire 90 Aug 84) Anil Gajmer 9 35) Sudan Khadka 9 36) Ram chandra Basnet. 9 37) Ritesh Khadka 38 Roman Illod Ka 9 39) Sabin R9; J 40. Nischar Achorya 41, Rupesh Khadka 9 9 (12) SUZAN Albanda 3 us) Bibot Carti 9 (14) Suray sah 9 45) Arpan Acharya 9 (UE) Nivas shah 277) Sanjeev Franceal ABISHEK K.C. 9 9

Figure 32 Attendance sheet of Unique Academy English School

SA जतता महशामिक विद्याल तेपाल el ci ( Dak 10 Nov 2016 Name Grade Signature SLI. 41. Barsha singth 01 42. d Danmager Shrestha 10 48 Pawan Khadka 10 44. Sushil Koirala 45. SURAJ Koisala 10 70 4.6 Indu khadka 9 47 MANITA CHAUDHARY 9 US. SARU KUNWAR Man 49. YAMUNA SHRESTHA 10 9

Figure 33 Attendance sheet of Janata Higher Secondary School, Sunsari

15 Nov. 2016 Fish farmers and Fishing Cat Réniculture Development Office Sunsan District Date 15 Nov 2016 Nepal S.N. Name of Person Phone no Signahur קותוולב ובלסוב 5282022289 a. of PEIGLISTO 8282020942 B.2.1 2. iter 1151401 - 4754 S= 08080608 free 6, 2113, 218 avoid - E SES2238252 SIGTE אודה כוובה בווים האוקל אויווים באורי באורי באורי אייותו 3 Eit ommoralie (mert) aisão + Be 92358953 3 रेसिट्र राज कोई महान्त्र- 6 डर 06362 वनड 6 Singo 84217 800 Merar - 8 5582K02300 U केंगराज केविला देवस्वा ९ 3) BCK2055965 90) असी 3 3मार राषे उत्तरी - 23 RE99326385 Very Sit another 2. 5228329002 92. जलराम माम्हो, महातन - ७. ५८०६७०६१९६ - ५८६२०३६३१० किल्म 98. हालाती माखेरा जन्नराम कुश्रमा - ४ 9852121083 (H Jo 3 gran Ered -(98 RINON BAR ITTED VI 37141-2 9842074846 BATTE (92) 98520475555 G mm 40m 20141 96 29 ATRINO, - Eiter of 8106082860 1 SCK2CCafe gin 2ivi Janui

Figure 34 Attendance sheet of fish farmers and officials of District Agriculture Office

Ramdhuni Higher Secondary Scher) Ramalhuni Vhasi - Sunsari Signahure Grade Name of the Student S.N 9 1 Bibek Karki PRitam Rai pritam 0 2 Purna Bahadur Khatrl Russ 9 3 Rupesh Basnet 4. 9 Rupers Ashim Rai 5) 9 Ashin Rocky chardnary 6) Rocky 9 7) Denish Tamang 9 8) Abiral Bhandari 9 3 Sapan Chaidhary 9 (1) Ishwar Harijan 9 11) dipak sada Anil KHBOKA Quine 12 ABJUN HARKI 13 Rakegh vautum TY 9 Binod Karki 15 9 Sansu usado usan 0 rugesh chaubinary 9 405 Bhujel PUJA 9 PUJA SHRESTHA (19) 9

Figure 35 Attendance sheet of Ramdhuni Higher Secondary School

Ram Jhuni Higher Secondary School Randhuni Vhasi - Sunsan S-N. Name of the student Grade Signahue Siddhartha chardhary 20 9 21) Nabraj ttarejan vjuxt unarethor AKVITE KATTEL 22) 99 23) 9 ·AKTHE Redon Vander 24) 9 Retina 25.) manisha khadky 9 mg 26) ASita Uraew Aashika Thata magan 9 27 Aiita AShik 9 Sumina 28) chaudhary 9 sumina Manska Q.K. 29)

Figure 36 Attendance sheet of Ramdhuni Higher Secondary School

Unique Sagarmatha Scho	el:
Vhast-5, Sunsart,	Nepal.
SN. 1 Name	1 Grade 1Stansture.
1: Niwas Phujal	
2. Panash Dahal	9. Rup
3. Makash Ghipmpo e	9 Prf.
4. Umesh Nepal	9 OT
5 prashan shrestha	9 0 1.
61 Bishnu chaudhary	9 Jul
Deepika chaudhary	9 28
of Rukini Chavenary	9 bunfant
g) Monika shal	9 And 1
10) Jenisha Bhondari	9 Monikaz
	9 Fenishar
11) AOGhiko Choudhooy	On odviva
12) Sabita Katwal V	81 Andrika
13) Nabina Johan	9 Ships
14. Sabin Niroula	9 Nabing
15. kiran chaudhany.	20 Bt.
16. Anubhan Ninisaann	10 Que
17. Aditya Rai	10 Anushar
18. Pradip Kunwer	10 Aditta
19 MPHAD Chetloy	10 yanang.
20. Anish Ratle	10 Bando
	20 alsel
21 1 1 1 1	
2. Bordon Nitoula	10 Bat
22. Sourou Kaple	10 turk
23. Prabin Gautan	10 Bit
24. Sushila shrestha	20 Sule
25. Manita Chaudhary	to mit
at it is a set of the	in the second se

Figure 37 Attendance sheet of Unique Sagarmatha Educational Academy, School

Uniq	ve Sagarmatha School	Education	al Acad
	Whasi-5, Sung	ari, Nepal	
SN, 26 27 28 29 36 31 32 33 34 35 35 36 35 36 37 38	Mame Anjana Guragai Nishika Deukota Sangila katual Anusha Nepal Rusha Kapal Rusha Kapal Suntika Kai Nabi na Chimire Dipika Pyakurei Samana Shrestha	Cirade 10 10 10 10 10 10 10 10 10 10 10	Signature. Aroana Bay Sukatura Anuf Ry. Ry. Ry. Ry. Syt Syt Suffici Anuf Sumona
1		A Marie	A

Figure 38 Attendance sheet of Unique Sagarmatha Educational Academy, School

Schard Primary School Dumpaka - 0, Sursani Nome of the student and Sprature Coracle S.N. 4 2 CLASS => 3 SANTOS/ 3 C1955=)3 9 H C Class=)3 0h26 (1955=)3 मिला C1935=) 3 Jeggt BLI स्क्रिंट आरोर्सा C1955=)3 c/955=)3 g. Lax mi स्वर्द्तीदा Class=)8 C1955=) 3 10 11 137148 C1955=)3 72 ANT C1985=)3 3 m 13 2 401 14 र मिता 15 र मिन 8 8 16 Plat 17 रहतीय 8 18 -16201 8 · 13 35 dat 8 20 Gaurab -4 21 भवता 22 500121) 5 6 m Elfo class 5 24 मविश्राम

Figure 39 Attendance sheet of Sehara Primary School

	AD	
	(XIIX)	
	5 Come	0 1 () A
5.N.	Nome of the student	Croade Signahu
.25	Sapana Shreatha Abik Uray	5 safana
26	Abik Uray	S ABLE
27	Rijona Poudel	
28	Anita Uray	5 Anita
29	Manzyd Shah	5 Mans 4d
30	Angita Urau	5 Angita
31	Retcha Usau Ashish Chaudhary	5 RCKha
32	Ashish Chaudhary	5 Aashis
22	Sabin khadka	5 Sabih
33	Arjun Panyou	5
~ ~	agnesh chaudhary	
34 35	Agay chaudhany	SARy chaudha: Sara Samio
36	Sarry Uray	5 29,84
37.	Sameer B.K.	941.10
38	Sandhya B.K.	
0.0	0.	

Figure 40 Attendance sheet of Sehara Primary School

Scharra Drimony School Dumhava - 3, Sunsan the Brident Grade Signahun 5 Name A SN ম্বাবিন প্রায়ন্য হার্সিহ 10 5 ちらっ र्राट्या 4 इलिसा 5 92011 अन्म 55

Figure 41 Attendance sheet of Sehara Primary School