

PARAMBIKULAM TIGER RESERVE

ANNUAL REPORT

PARAMBIKULAM TIGER CONSERVATION FOUNDATION

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PARAMBIKULAM TIGER CONSERVATION FOUNDATION
REPORT FOR THE PERIOD FROM 01-04-2020 TO 31-03-2021

A. Introduction

Parambikulam Tiger Conservation Foundation (PaTCoF) was established vide G.O (MS) No.87/2013/F&WLD dated 20.09.2013 and as per Section 38 X of the Wild Life (Protection) Act, 1972, in observance of the procedures laid down in Notification No. S.O.1008 (E) dated 22.06.2007 of Ministry of Environment and Forests, Government of India.

Government of Kerala vide G.O (Rt) No.473/2013/F&WLD dated 22.11.2013 have also approved the Regulations of the Foundation. Subsequently, the Parambikulam Tiger Conservation Foundation was registered by the Board of Trustees under the Charitable and Religious Trust Act, 1920 on 6th January 2014.

Vide G.O (MS) No.38/2014/F&WLD dated 22.04.2014, Government of Kerala has also authorized PaTCoF to augment and mobilize financial resources including recycling of entry and such other fees received in Parambikulam Tiger Reserve (vide G. O. (Ms.) No. 38/2014/F&WLD dt. 22-04-2014) to foster stakeholder development and eco-tourism in accordance with the provisions of the Wild Life (Protection) Act, 1972 and also in observance of provisions contained in G.O (MS) No.87/2013/F&WLD dated 20.09.2013. Accordingly, a Bank Account (No.33824089274) with State Bank of India at Anamalai Branch was opened in the name of Secretary, Executive Committee (Deputy Director, Parambikulam Tiger Reserve) of the Foundation. From 03.05.2014 onwards, the receipts from the Tiger Reserve are being collected in this Account.

The following two expert members have been appointed by the Government to the Governing Body of Parambikulam Tiger Conservation Foundation in the 7th meeting of the Governing body.

Dr. Amruth M, Scientist, Department of Sociology, Forestry and Human dimension division, KFRI.

Dr. Suma. Scientist, M.S. Swaminathan Research Foundation.

The Governing Body of the Foundation in their seventh meeting held on 21-05-2020 approved the nomination of the following members to the Executive Committee of the Parambikulam Tiger Conservation Foundation.

1. Representatives from EDCs

- Sri. Sreenivasan K, Kadavu Colony EDC
- Smt. Kasthuri, Sungam Colony EDC

2. Members of Frontline staff

- Range Forest Officer, Sungam Range
- PFM Divisional Coordinator

The Governing Body also approved the following members as representatives of Executive Committee to the Governing Body of the Parambikulam Tiger Conservation Foundation.

1. Representatives from EDCs

- Sri. Sreenivasan K, Kadavu Colony EDC

2. Members of Frontline staff

- Range Forest Officer, Sungam Range

B. Activities of the Foundation

1. Administration

Meetings of Governing Body and Executive Committee: During the reporting period, one meeting of the Governing Body (7th meeting held on 21st May 2020) and four meetings of the Executive Committee (24th meeting on 26.06.2020, 25th meeting on 06.08.2020, 26th meeting on 30.10.2020 and 27th meeting on 05.3.2021) were held, at many instances during the reporting period meetings could not be held regularly due to lockdown restriction imposed in the wake of the COVID-19 pandemic.

2. Resource Mobilization

During the reporting year, Foundation has received a total amount of Rs. 1,38,63,141/- by way of entry fees, Ecotourism, Central/State Plan Schemes, bank interest, etc and expended Rs. 2,61,13,726/- for various activities in Annual Plan of Operation 2020-21 of PaTCoF approved in the 7th Governing body.

3. Administrative support and Staffing

PaTCoF provided administrative support to the management of Parambikulam Tiger Reserve in the form of recoupable advances and technical inputs. The same support was also extended to Forest Divisions in the immediate region and also in the greater landscape. The Forest Development Agency, Parambikulam has offered to hire and engage the following contracted professionals for the PaTCoF till it becomes financially sound.

- Conservation Biologist (1 No)
- Ecotourism cum Marketing Specialist (1No)
- Accountant (1 No)
- Office Assistant (1 No)

4. Improved PA Management

a. Camera trap Exercise: Camera trap exercise was conducted as part of All Kerala Tiger Monitoring in Vazhachal Division, Chalakkudy Division, Malayattoor Division and Parambikulam Tiger Reserve. Camera trapping in Vazhachal, Chalakkudy and Malayattoor divisions were carried out from July 2020 to September 2020 and in Parambikulam it started from October 2020 to March



2021. Camera traps were deployed in 30 locations in Chalakkudy, 50 locations in Vazhachal, 150 locations in Malayattoor and 253 locations in Parambikulam. A total of 483 locations were covered.

Approximately 4 lakh photos were obtained from these locations. Individual tigers were also



identified from these photos.

b. Density Estimation of Prey Population

Transect survey was conducted to estimate the density of prey species in Parambikulam Tiger Reserve as a part of field exercises towards updation of Tiger Conservation Plan. It was a five-day programme that commenced from 24-01-2021 and completed on 26-01-2021. The survey was conducted only in the core area of Parambikulam. A total of 25 transects were selected for the survey with five replications of each transect. More than 100 field staff were participated for the survey. The survey was successfully completed and the result was submitted.



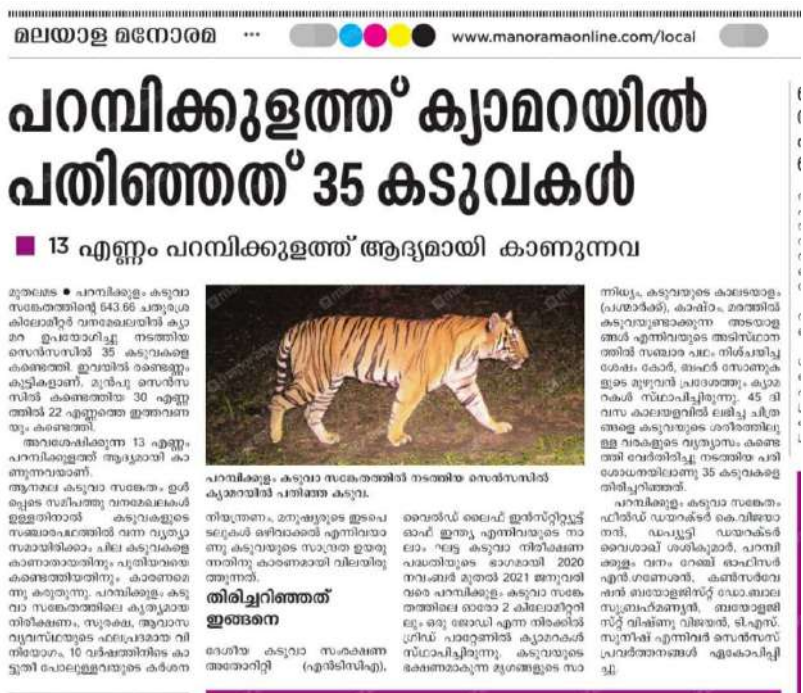
Field staff participating in the transect survey in Parambikulam Tiger Reserve

c. Phase – IV Monitoring

Phase IV of Tiger Monitoring Programme was conducted in Parambikulam Tiger Reserve during the period between November 2020 and January 2021. Camera traps were deployed at the rate of one pair at every 2 km². The survey was carried out in the entire area of core and buffer zones of Parambikulam Tiger Reserve strictly adhering the protocols circulated by NTCA. Potential camera trapping locations were identified through systematic field surveys and camera traps deployed in 254 locations for 45 days from 20th November 2020 to 4th January 2021. The individual tiger has been identified from the photographs using their unique stripe pattern. The spatially explicit modelling approaches was used to analyse the camera trap survey data using R package 'SPACECAP' version 1.1.0.

A total of 35 individual tigers were captured in the camera traps during the 45 days occasion (from 11430 camera-trap days). Out of 35 individuals, 18 were females, 14 males and 3 were uncategorized. A total of twenty-two individuals that were captured during the previous years were captured during 2020-21 camera trap survey and the remaining 13 were new individuals. The new individuals were mainly captured from the buffer areas added from the adjoining forest divisions of Vazhachal and Nemmara. Out of 35 individual tigers identified, two were grown up cubs and the remaining 33 were adults.

The tiger population (Nsuper) estimated using the SPACECAP programme for the entire state-space (with an extent of 1747.32 km²) is 44 (95% posterior CI 37-50). The estimated tiger density for Parambikulam Tiger Reserve from Bayesian SECR analysis is 2.43 (95% posterior CI 2.04-2.75) tigers/100 km². Tigers were captured in the camera traps throughout the tiger reserve (both in core and buffer areas). The existing tiger density in Parambikulam Tiger Reserve could be attributed to improved park security, effective habitat management, intact connectivity and minimal park-people interface.



d. SARPA Mobile App Interface Design



Kerala Forest Department with the technical support of Wildlife Trust of India developed an Android application 'SARPA' (Snake Awareness, Rescue and Protection App). The APP is developed for doing the scientific rescue and release of straying snakes from human dominated landscape. The main aim of the APP is to implement the scientific rescue of snakes as envisaged in the SoP released for the purpose by Govt. of Kerala. For improved ergonomics, the interface design was done by an agency through Parambikulam Tiger Conservation Foundation with the concurrence of Chief Wildlife Warden.



e. Tiger database

Parambikulam Tiger reserve is maintaining a database of tigers identified from Parambikulam since 2011 which has a total count of 89 tigers to date. The database is helpful in identifying tigers which are photographed or found dead within Parambikulam or in adjoining areas. During April 2020, two tigers were poisoned in Pollachi Range of adjoining Anamalai Tiger Reserve. Parambikulam Tiger Conservation Foundation was able to offer assistance to ATR for identification of these Tigers. One of them was a female tiger captured in camera trap from 2012 to 2019 and named as PKMTR 5.



f. Recognizing the services of Best Performing Staff Members

PaTCoF recognized best performing staff members of Parambikulam Tiger Reserve during the reporting period. Best performing staff members were selected by a committee and felicitated during the Independence Day Celebrations 2020. The meritorious candidates were selected from all categories on the basis of evaluation of their performance and exceptional contributions rendered, by a committee.



Sri. Seetharam.R
Section Forest Officer



Smt. Nishanthi
Beat Forest Officer



Kum. Simi.M.K
Clerk



Sri. Ramesh Kumar.P
Reserve Forest Watcher



Sri. Karuppan.P
Tribal Watcher



Sri. Abhilash.P.M
Computer Operator



Sri. Suresh.C
Antipoaching Watcher



Sri. Ratheesh. K
Driver



Sri. Shanmughan.S
Naturalist



Smt. Bharathi.M
House Keeping staff



5. Capacity Building, Trainings and Workshops

A total of 7 training/capacity building programs/workshops were undertaken during the reporting period. Many planned trainings and workshops were deferred due to COVID-19 restrictions. The details are as given below.

| Sl No. | Date | Duration (days) | Topic/Subject | Location | No. of Participants |
|--------|------------|-----------------|--|----------------------------|---------------------|
| a | 04-08-2020 | 1 | Training on M-STriPES | Kannur Division | 30 |
| | 06-08-2020 | 1 | Training on M-STriPES | South Wayanad Division | 25 |
| b | 11-07-2020 | 1 | Training on Camera Trapping | Malayattoor Division | 60 |
| | 10-07-2020 | 1 | Training on Camera Trapping | Vazhachal Division | 35 |
| | 10-07-2020 | 1 | Training on Camera Trapping | Chalakkudy Division | 25 |
| | 10-10-2020 | 2 | Training on Camera Trapping | Parambikulam Tiger Reserve | 50 |
| c | 21-01-2021 | 1 | Training on Density Estimation of Prey Population | Parambikulam Tiger Reserve | 50 |
| d | 10-11-2020 | 1 | Training on Kerala Service Rules for the ministerial staff of Parambikulam Tiger Reserve | Parambikulam Tiger Reserve | 16 |
| e | 26-11-2020 | 1 | Training on MOP for the ministerial staff of Parambikulam Tiger Reserve | Parambikulam Tiger Reserve | 16 |
| f | 12-01-2021 | 1 | Training on handling arms and ammunition for the protection staff | Parambikulam Tiger Reserve | 19 |
| g | 11-03-2021 | 4 | Training on Guiding skills and bird watching | Parambikulam Tiger Reserve | 40 |

a. Training Programs

a. M-STriPES Training

A training program on M-STriPES was conducted in Kannur Division on 04-08-2020 and South Wayanad Division on 06-08-2020. Section forest officers, Beat forest officers and watchers were the participants. About 30 participants from Kannur Division and 25 participants from Wayanad South Division were involved in the program. The sessions included installation of M-STriPES software in the computer and mobile phone, Field training on data collection, importing and analysis of the data collected from the field and finally, preparation of M-STriPES report.



M-STriPES training session in Kannur

b. Training on Camera Trapping

Camera trap training sessions were conducted in Malayattoor Division, Vazhachal Division, Chalakkudy Division and Parambikulam Tiger Reserve as a part of All Kerala Tiger Population Estimation. The training dealt with identification of camera trap locations, setting different modes in camera trap instruments and finally setting up of camera trap in the field. Participants were Section Forest Officers, Beat Forest Officer and Watchers.

The training was conducted in Malayattoor Division on 11-07-2020. More than 60 participants were involved in the training. The classes were broken in two sessions in morning and afternoon by strictly following the COVID-19 protocol. In Vazhachal and Chalakkudy Division the training was conducted on 10-07-2020 morning and afternoon respectively. About 35 participants from Vazhachal division and 25 participants from Chalakkudy Division were involved in the training. Camera trap training was conducted in Parambikulam Tiger Reserve on 10th and 11th October, 2020 with more than 50 participants. The trainings were conducted in Tiger hall in Parambikulam and Nature study hall in Anappady for Orukomban, Karimala, Parambikulam ranges and Sungam Range respectively.

Camera trapping training in Chalakkudy Division





Camera trapping training in Malayattoor Division



Camera trapping training in Vazhachal Division



Camera trap training in Parambikulam Tiger Reserve

c. Training on Density Estimation of Prey Population

A training on Density Estimation of Prey Population was given to the field staffs of Parambikulam tiger Reserve prior to the field survey on January 21st, 2021. The training was conducted in Nature Study Hall Anappady. About 50 participants from amongst the Section Forest Officers, Beat Forest Officers and Watchers were involved in the programme. The sessions included the importance of transect survey, familiarization with the data sheet and field data collection. Apart from this, a small handheld training on the use of field equipment like compass, Range finders and GPS were also given.



Training on Density Estimation of Prey Population

d. Training on Kerala Service Rules for the ministerial staff of Parambikulam Tiger Reserve

PaTCoF conducted a one-day online workshop on Kerala Service Rules for the ministerial staff of Parambikulam Tiger Reserve at Anappady, Parambikulam Tiger Reserve. Online class was coordinated with the help of Zoom application. Sessions were handled by Sri. Ajimon. P.P, Assistant Audit Officer, Kerala State Audit Department and Guest Faculty, IMG Kochi. About 16 ministerial staff members participated in the training from Parambikulam Tiger Reserve and many more joined in the session from various divisions under Eastern Circle and Wildlife (Northern Circle). Many queries related to general functioning of a Govt. Establishment could be cleared with the help of these sessions.



Training on KSR

e. Training on MOP for the ministerial staff of Parambikulam Tiger Reserve

PaTCoF conducted one day online workshop on Manual of office procedures for the ministerial staff of Parambikulam Tiger Reserve at Anappady, Parambikulam Tiger Reserve. Online class was coordinated with the help of Zoom application. Sessions were handled by the Shri Chandrabose, Faculty, Institute of Management in Government, Regional Centre, Kochi. The program benefitted almost 16 ministerial staff members from Parambikulam Tiger Reserve.



Training on MOP

f. Training on familiarization, upkeep and handling of arms and ammunition for protection staff

A One-day training was conducted for the protective staff of Parambikulam Tiger Reserve regarding the use of arms and ammunition. Session was conducted by Shri Vysak Sasikumar IFS, Deputy Director of Parambikulam Tiger Reserve. 32 selected protective staff participated in the training. The training covered everything from Firearm Safety to Maintenance and upkeep.



Training on arms and ammunition



Training on arms and ammunition

g. Training on Guiding skills and bird watching

PaTCoF conducted 4-day workshop in association with Kerala Institute of Tourism and Travel Studies on guiding skills and bird watching for 36 naturalists of Parambikulam Tiger Reserve. Sessions covered topics such as visitor management, guiding skills, knowledge on birdwatching, photography and interpretative skills. Class was conducted by the industry experts and faculty members of KITTS.



Training on Guiding skills and bird watching



6. Eco Development Activities

a. Wild Honey Organic certification

Members of the local tribal community has been collecting Wild Honey and selling it through Parambikulam FDA since many years acting as an important alternate source of income. Annually around 1500 Kilogram of honey is being collected and sold in this manner. The Honey collected in this manner is being filtered, packaged and sold through Ecoshops under Parambikulam Tiger Reserve. It has been proposed to commence online sale of the same given the travel restrictions imposed due to COVID-19. In order to bolster sales and to obtain premium price, PaTCoF has applied for organic certification for this product during the reporting period.



b. Vanamahotsavam

PaTCoF facilitated celebration of Vanamahotsavam during the reporting period. Through this program, PaTCoF motivated members of the indigenous communities to plant fruit bearing trees within their settlements, which falls in the buffer area. Through these seven days, 15000 saplings have been planted in various locations within the Tiger Reserve. Hon'ble Nemmara MLA Shri K. Babu inaugurated the program and member of PaTCoF Governing Body, Shri K. Babu inaugurated the closing ceremony of the event, in the presence of Shri Vysak Sasikumar IFS, Deputy Director of Parambikulam Tiger Reserve.



പറമ്പിക്കുളം കടുവാ സങ്കേതത്തിലെ വനമഹോത്സവം സമാപിച്ചു

മുതലമട • പറമ്പിക്കുളം കടുവാ സങ്കേതത്തിലെ വനമഹോത്സവത്തിന്റെ സമാപനം കെ.ബാബു എം.എൽ.എ ഉദ്ഘാടനം ചെയ്തു. വന മഹോത്സവത്തോടനുബന്ധിച്ചു കടുവാ സങ്കേതത്തിൽ പതിനായിരത്തോളം ഫല വൃക്ഷത്തെകൾ നട്ടു. ഇക്കോ ഡവലപ്മെന്റ് കമ്മിറ്റികളുടെ പരിധികളിലും ആദിവാസി ഊരുകളിലും പ്രധാനമായും തൈകൾ നട്ടത്. പറമ്പിക്കുളം കാടുകളിലെ വന്യജീവികൾക്കു ഭക്ഷ്യ ലഭ്യത ഉറപ്പുവരുത്തുന്നതിലൂടെ ആവാസ വ്യവസ്ഥ ദൃഢപ്പെടുത്തുകയാണു ഫല വൃക്ഷത്തെകൾ നട്ടുന്നതിലൂടെ ലക്ഷ്യമിടുന്നത്.

അതിനോടൊപ്പം ഇക്കോ ഡവലപ്മെന്റ് കമ്മിറ്റികളുമായി സഹകരിച്ചു പദ്ധതി നടപ്പാക്കുന്നതിലൂടെ വൃക്ഷത്തെ പരിപാലിക്കു



പറമ്പിക്കുളം കടുവാ സങ്കേതത്തിലെ വന മഹോത്സവത്തിന്റെ സമാപനം കെ.ബാബു എം.എൽ.എ ഉദ്ഘാടനം ചെയ്യുന്നു. കടുവാ സങ്കേതം ഡപ്യൂട്ടി ഡയറക്ടർ വൈശാഖ് ശശികുമാർ സമീപം.

നതിനുപ്രത്യേക തുക അനുവദിച്ചു ആദിവാസി കുടുംബങ്ങളുടെ വരുമാനം വർദ്ധിപ്പിക്കുകയും ചെയ്യുന്നുണ്ട്.

വനമഹോത്സവത്തിന്റെ സമാപനത്തിൽ പറമ്പിക്കുളം കടുവാ സങ്കേതം ഡപ്യൂട്ടി ഡയറക്ടർ

വൈശാഖ് ശശികുമാർ അധ്യക്ഷനായി.

പഞ്ചായത്ത് അംഗം എം.ശ്രീധരൻ, വനം റേഞ്ച് ഓഫീസർമാരായ മുജീബ് റഹ്മാൻ, എൻ.എം.ബാബു, കണ്ണൻ എന്നിവർ പങ്കെടുത്തു.

c. Coir Root Trainer Unit

In order to make use of the land available in the premises of Kerala Wildlife Tourism Information Centre at Pollachi for generating income to PaTCoF, and to provide employment opportunity to the members of Ancham Colony tribal settlement, a Coir Root Trainer Unit has been established. The unit is aimed at providing eco-friendly Coir root trainers for raising nursery reducing the usage of plastic bags at various nurseries under the Forest Department in Kerala.



d. Cloth Bag Unit

Parambikulam is being visited by close to 1 lakh tourists during normal years and there are seven settlements within the Tiger Reserve. The presence of human populations has invariably led to introduction of plastic polythene bags into the environs of the Reserve. Parambikulam Tiger Conservation Foundation has established a Cloth Bag Unit to stitch and supply cloth bags replacing plastic bags in EDC shops and Vanasree Ecoshops under Parambikulam Tiger Reserve. The unit also ensures employment to the local community.



e. Celebration of International Day of Forests

Parambikulam Tiger Conservation Foundation participated in the 100 Brushwood Check dams Challenge lead by Wildlife Circle, Northern Region in connection with International Day of Forests Celebrations. As part of this challenge 90 brushwood check dams were constructed as a *Shramdhaan* activity by involving voluntary effort of staff, watchers, EDC members and other stakeholders in the identified locations under Parambikulam Tiger Reserve. These check dams are meant to reduce soil

erosion and increase the residence time of water during the first monsoonal showers, without incurring much cost or introducing foreign materials into the habitat.





സാർവ്വതീയ മാനേജ്മെന്റ് പ്ലാൻ പ്രകാരം വടക്കൻ മേഖലയിൽ നിർമ്മിക്കുന്ന 100 ബ്രഷ് വുഡ് ചെക്ക്ഡാമുകളുടെ ഭാഗമായി പാറമീശ്ശേരിയിൽ 36 ചെക്ക്ഡാമുകളുടെ നിർമ്മാണം നടക്കുന്നുണ്ട്. ഇതിൽ 15 വീടുകളിൽ സഹായകരമായ വടക്കൻ മേഖലയിൽ 100 ബ്രഷ് വുഡ് ചെക്ക്ഡാമുകൾ നിർമ്മിക്കുക എന്ന ഉദ്ദേശ്യമുണ്ട്. ഇതിൽ 36 ചെക്ക്ഡാമുകൾ മാത്രം പൂർത്തിയാക്കിയിട്ടുണ്ട്.

വേനലിനെ നേരിടാൻ വനം വകുപ്പ് ഒരുക്കങ്ങൾ തുടങ്ങി

മഴക്കാലം തുടങ്ങിയതിനെ തുടർന്ന് വനം വകുപ്പ് തയ്യാറെടുപ്പുകൾ തുടങ്ങി. വനം വകുപ്പിന്റെ ഉദ്ദേശ്യമനുസരിച്ച് 100 ബ്രഷ് വുഡ് ചെക്ക്ഡാമുകൾ നിർമ്മിക്കുകയും, പാറമീശ്ശേരിയിൽ 36 ചെക്ക്ഡാമുകളുടെ നിർമ്മാണം നടക്കുന്നുണ്ട്. ഇതിൽ 15 വീടുകളിൽ സഹായകരമായ വടക്കൻ മേഖലയിൽ 100 ബ്രഷ് വുഡ് ചെക്ക്ഡാമുകൾ നിർമ്മിക്കുക എന്ന ഉദ്ദേശ്യമുണ്ട്. ഇതിൽ 36 ചെക്ക്ഡാമുകൾ മാത്രം പൂർത്തിയാക്കിയിട്ടുണ്ട്.

എന്താണ് ബ്രഷ് വുഡ് ചെക്ക്ഡാം?

നീരാവറ്റങ്ങളെ ചാർജ്ജ് ചെയ്യാൻ ഉപയോഗിക്കുന്ന ചെക്ക്ഡാമുകൾ നല്ലതാണ്. ഇവയ്ക്ക് വെള്ളം നിലനിർത്താനും, അതിൽ വെള്ളം കെട്ടിനിർത്താനും സാധിക്കും. ഇതിൽ വെള്ളം കെട്ടിനിർത്താൻ സാധിക്കും. ഇതിൽ വെള്ളം കെട്ടിനിർത്താൻ സാധിക്കും. ഇതിൽ വെള്ളം കെട്ടിനിർത്താൻ സാധിക്കും.



പാറമീശ്ശേരിയിൽ നിർമ്മിക്കുന്ന 36 ചെക്ക്ഡാമുകളുടെ ഭാഗമായി പാറമീശ്ശേരിയിൽ 36 ചെക്ക്ഡാമുകളുടെ നിർമ്മാണം നടക്കുന്നുണ്ട്. ഇതിൽ 15 വീടുകളിൽ സഹായകരമായ വടക്കൻ മേഖലയിൽ 100 ബ്രഷ് വുഡ് ചെക്ക്ഡാമുകൾ നിർമ്മിക്കുക എന്ന ഉദ്ദേശ്യമുണ്ട്. ഇതിൽ 36 ചെക്ക്ഡാമുകൾ മാത്രം പൂർത്തിയാക്കിയിട്ടുണ്ട്.



f. Support to local people during Covid 19 pandemic

Parambikulam Tiger Conservation Foundation was extensively involved in mitigating the effects of COVID-19 pandemic and the subsequent lockdown. The following activities taken up to support local people under Parambikulam Tiger Reserve.

- Vehicles of Foundation were spared at multiple occasion to transport vaccines and antigen testing kits from Palakkad to Parambikulam PHC.
- Logistics was also arranged by the foundation to facilitate vaccination drives by Health Department in various tribal hamlets of Parambikulam and Thekkady.
- Rations were delivered to the homes of COVID positive tribal persons by the staff and vehicles of the Foundation.
- COVID positive person were transported in the bus owned by the Foundation from various Tribal Hamlets and accommodated in Tiger Hall as a quarantine measure. Tiger Hall is a building under the Parambikulam Tiger Reserve and it was cleaned and maintained for this purpose by naturalists engaged by the Foundation.
- Govt. LP School Parambikulam and the Hall (Bhojanashala) attached to the Mariyamman Kovil were also cleaned with the help of our watchers, as an emergency quarantine centres throughout the COVID outbreak period.
- Forest Wireless Network established with the help of Foundation was utilised to pass on messaged regarding Antigen Testing and Vaccination to all tribal hamlets in the Parambikulam landscape.
- A mini bus was spared through the COVID outbreak period to transport pregnant tribal women from Parambikulam to Palakkad and back.
- 6000 Cloth mask, Surgical mask and 60 litres of Sanitizer along with Vaporisers were supplied to all settlements under Parambikulam Tiger Reserve and Thekkady with support from WWF India.



പറമ്പിക്കുളം ആദിവാസി മേഖലയിൽ 90 ശതമാനം പൂർത്തിയായി

മുതലമട • പറമ്പിക്കുളം ആദിവാസി മേഖലയിലെ 45 വയസ്സിനു മുകളിലുള്ളവർക്കുള്ള കോവിഡ് വാക്സിൻ ആദ്യ ഡോസ് വിതരണം 90.6 ശതമാനം പൂർത്തിയാക്കി. 473 പേരിൽ 426 പേരാണ് ഇതുവരെ ഒന്നാം ഡോസ് വാക്സിൻ സ്വീകരിച്ചിട്ടുള്ളത്. ചിലരെങ്കിലും വാക്സിൻ സ്വീകരിക്കുന്നതിൽ വിമുഖത കാണിക്കുന്നതാണു് 100 ശതമാനം എത്തുന്നതിനു പ്രധാന തടസ്സം. ഇവരുടെ സംശയങ്ങൾ മാറ്റി

എല്ലാവർക്കും വാക്സിൻ നൽകാനുള്ള ശ്രമങ്ങളാണ് ആരോഗ്യ വകുപ്പ് നടത്തുന്നത്. 18നുും 45നുും ഇടയിലുള്ള 943 പേരിൽ പ്രഥമ പരിഗണനാ പട്ടികയിലുള്ളവർക്കു് മെഡിക്കൽ ഓഫീസർ ഡോ. പി.ആർ.അക്ഷയ്, ഡോ. അജിൻ ജോൺ എന്നിവരുടെ നേതൃത്വത്തിൽ ഇന്നലെ മുതൽ ഒന്നാം ഡോസ് വാക്സിൻ നൽകൽ ആരംഭിച്ചിട്ടുണ്ട്. പറമ്പിക്കുളം കടുവ സങ്കേത

വുമായി ബന്ധപ്പെട്ടുള്ള 12 കോളനികളിലാണ് ആരോഗ്യ വകുപ്പിന്റെ നേതൃത്വത്തിൽ വനം വകുപ്പ്, പട്ടികവർഗ വകുപ്പ് എന്നിവയുടെ സഹകരണത്തോടെ വാക്സിൻ നൽകിയത്. ഇന്റർനെറ്റ് സഹിധാനമില്ലാത്ത സ്ഥലങ്ങളിൽ ഓഫ് ലൈൻ ആയാണു് റജിസ്ട്രേഷൻ നടപടികൾ പൂർത്തിയാക്കിയത്. പറമ്പിക്കുളത്തെ ആരോഗ്യ കേന്ദ്രത്തിൽ നിന്ന് 50 കിലോമീറ്ററോളം അകലെയുള്ള ഒരവനാടി

മുതലുള്ള കോളനികളിൽ എത്തി വാക്സിൻ നൽകുകയായിരുന്നു. കടുവ സങ്കേതത്തിനകത്തുള്ള 6 കോളനികളിൽ വാക്സിൻ നൽകുന്നതിനു പറമ്പിക്കുളം കടുവ സങ്കേതം ഡപ്യൂട്ടി ഡയറക്ടർ വൈശാഖ് ശശികുമാറും വനം വകുപ്പ് അധികൃതരും നേതൃത്വം നൽകി. കൂടാതെ പറമ്പിക്കുളത്തെയും തേക്കടിയിലെയും കോളനികളിലേക്ക് 6000 മാസക്കു കളും 60 ലിറ്റർ സാനിറ്റൈസറും കൈമാറി.



g. Support for the online learning

During the outbreak of Covid 19 pandemic, the state imposed complete lock down to the educational institutions and gradually shifted to online classes. The students from the six tribal settlements faced difficulty in attending online classes due to poor network and electricity. PaTCoF took steps to provide Televisions, Channel network connections, Inverter, and batteries to various settlements to facilitate un interrupted online classes.



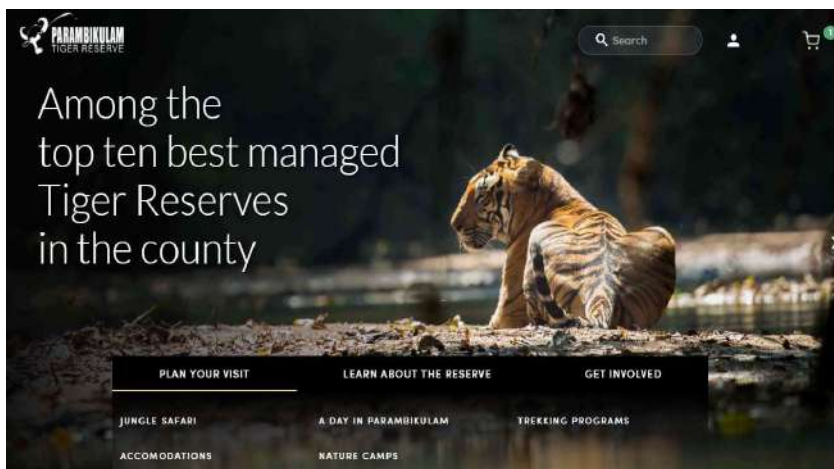
7. Financial Aid and supports

- Sri. P.V. Anandan, Section Forest Officer and Sri. Dorayyan, Antipoaching watcher of Thellikkal Section were attacked by wild elephant while performing the routine field perambulation. Financial assistance was given to both the victims to meet their medical expenses from PaTCoF.
- The adjoining Peechi Wildlife Division faced shortage of funds in providing wages to the Antipoaching watchers. PaTCoF extended Financial support to the adjoining Division to overcome the crisis.

8. Awareness and outreach measures

a. Revamping of Parambikulam website

All ecotourism activities of the Tiger Reserve was being facilitated through a website running on the domain www.parambikulam.org. The website was attracting lot of criticism due to its outdated design and technology which was leading to errors, booking false confirmations, delays in processing refunds etc. PaTCoF coordinated with Kerala Start-up Mission to develop a new website for the Tiger Reserve during the reporting period. The website has been developed using latest technology and will be used as the springboard for developing a full-fledged system to streamline tourism facilitation within the Tiger Reserve. The site was inaugurated during Wildlife Week Celebrations 2020



b. Conducting Fire awareness at Parambikulam and adjoining areas

Fire awareness campaigns were conducted at multiple locations within the Tiger Reserve during January in anticipation of the fire season. About 150 persons including tourists, forest officials, and officials of other departments, naturalists, watchers and local people participated in the program. The participants carried placards and banners depicting slogans regarding importance of forest



conservation. Police officials and PHC officials participated and appreciated the importance of protection and conservation of forests. As part of the awareness program, T-shirts carrying fire awareness slogans were also distributed. Authorities shared their messages to the local people about the effects of forest fire and took pledge together to prevent forest fire. Battery Operated Torches carrying the message of 'Prevention of Forest Fire' were also distributed among the participants.



c. Forest Fire awareness video

Parambikulam Tiger Conservation Foundation assisted Peechi Wildlife Division in preparing a short video for disseminating the message of prevention of Forest Fire under the name, 'The remains of the last leaf'. The video was prepared under the guidance of Executive Director of PaTCoF and uploaded in the YouTube channel of Kerala Forest Department.

d. Documentation on Parambikulam Tiger Reserve

PaTCoF provided partial funding support to a video documentation of the history, evolution and biodiversity of Parambikulam Tiger Reserve. The documentary was directed by Shri Suresh Elamon and was facilitated through Kerala State Film Development Corporation. The video documentation was uploaded in the YouTube channel of Parambikulam Tiger Reserve and has gained wide appreciation from across the country.

ഞായർ PKD വർത്തമാനം 5

പറമ്പിക്കുളം കടുവാ സങ്കേതം; ചരിത്രവുമായി പ്രസ്തുചിത്രം

മുതലമട • തേക്കുകാട്ടിൽ നിന്നു കടുവാ സങ്കേതത്തിലേക്കുള്ള പറമ്പിക്കുളത്തിന്റെ യാത്രയ്ക്കു ദൃശ്യവിഷ്കാരം. സംസ്ഥാന ചലച്ചിത്ര വികസന കോർപ്പറേഷന്റെ (കെഎസ്എഫ്ഡിസി) സാങ്കേതിക സഹായത്തോടെ പറമ്പിക്കുളം കടുവാ സങ്കേതം നിർമ്മിച്ച ഡോക്യുമെന്ററി ചിഹ്ൻ വൈൽഡ് ലൈഫ് വാർഡൻ ഡി.കെ.വർമ പുറത്തിറക്കി. പറമ്പിക്കുളം കടുവാ സങ്കേതത്തിന്റെ യൂട്യൂബ് ചാനലിൽ ഇതു കാണാം.

സുരേഷ് ഇളമൺ ആണ് 20 മിനിറ്റ് ദൈർഘ്യമുള്ള ഗ്രാസചിത്രത്തിന്റെ സംവിധാനം. പറമ്പിക്കുളം കടുവാ സങ്കേതത്തിന്റെ ജൈവ വൈവിധ്യം അവതരിപ്പിക്കുന്ന ഡോക്യുമെന്ററി 2 വർഷത്തോളം എടുത്താണു പൂർത്തിയാക്കിയത്. ബ്രിട്ടീഷ് ഭരണകാലത്ത് അവരുടെ ആവശ്യങ്ങൾക്കായി ഉപയോഗിച്ച തേക്കുതടികൾ ഉൽപാദിപ്പിച്ച വനമേഖല എന്നതിൽ നിന്ന് ഇന്നു മുപ്പതോളം കടുവകളുടെ വിഹാര കേന്ദ്രമായ രാജ്യത്തെ പ്രധാന കടുവാ സങ്കേതത്തിലേക്കുള്ള പറമ്പിക്കുളം കാടുകളുടെ യാത്രയാണു പ്രധാന ഇതിവൃത്തം. തേക്കുകടത്തിനായി ഉപയോഗിച്ചിരുന്ന കൊച്ചിൻ



പറമ്പിക്കുളം കടുവാ സങ്കേതത്തിലേക്കുള്ള പ്രവേശന കവാടം

ഫോറസ്റ്റ് സ്റ്റ്രീം ട്രാവേ മുതൽ പറമ്പിക്കുളം - ആളിയാർ പദ്ധതിയുടെ ചരിത്രം വരെ ഡോക്യുമെന്ററി കാണുന്നവർക്കു മനസ്സിലാക്കും വിധമാണു ചിത്രീകരണം. വനം വന്യജീവി സംരക്ഷണ നിയമം വന്നതിനെ തുടർന്നു വനം വകുപ്പിന്റെ സംരക്ഷണം പറമ്പിക്കുളത്തെ വന്യജീവി സങ്കേതമാക്കി. കൃത്യമായ നിയന്ത്രണങ്ങളിലൂടെയും സംരക്ഷണ പ്രവർത്തനങ്ങളിലൂടെയുമാണു കടുവാ സങ്കേതത്തിലേക്കുള്ള യാത്രയെന്നും ഡോക്യുമെന്ററി പറഞ്ഞു വയ്ക്കുന്നു.



e. Global Tiger Day Celebration

As part of Global Tiger Day celebration, PaTCoF organised a national level essay competition for the school students, aiming to raise awareness about the importance of conservation of big cats. In this competition, participants are allowed to refer online material and to seek help of parents or friends. The idea was to encourage school students to read and develop opinions about the importance of tiger conservation for humankind. Close to 1200 entries for the competition from various states of India were received and was scrutinized by a committee consisting of member Secretary, Executive Director, Ecotourism Specialist and Dy. Director, Wildlife Education. From among the shortlisted entries, prizes were given for the best 5 essays and published through our social media handles.



Nivedidha
First Prize



Sreya NV
Second Prize



SAMIKA REN
Third Prize



Naithan Varghese Thomas
Third Prize



Hana Hazar TK
Fourth Prize

f. Wildlife week celebration

PaTCoF conducted 5 day wildlife week celebrations limited to each of the 6 tribal settlements due to COVID 19 restrictions. Residents from each settlement actively participated in the activities and competitions. On first day and second days of the celebrations general cleaning drives were undertaken along with floral carpet design competitions. On third day, various competition were conducted among the children of each settlement, viz. Pencil drawing, Poem writing and Essay writing. On day 5, quiz competition were conducted. All the programs were conducted with the supervision of the Range Officers of Parambikulam Tiger Reserve.



g. Republic Day Celebration

On January 26, PaTCoF celebrated Republic Day of the nation at Anappady. Deputy Director hoisted the flag and forest staffs, naturalists, visitors and various EDC members were in attendance. Deputy Director gave message to the gathering highlighting the importance of every person gathered there in contributing at the highest level towards the ecological security of the Nation.



h. Online sale of Book

PaTCoF entered online sales platform in Amazon for the first time. Through the medium the book 'Butterflies of Parambikulam' were sold to interested parties.

i. ID cards for the naturalists

PaTCoF extended its support to its staff during the lockdown period by providing photo identity cards to all the Naturalists, Antipoaching Watchers, Wireless attenders and Drivers working under Parambikulam Tiger Reserve.

9. Exposure Visits

a. Visits made by other organizations

Compare to the previous reporting periods, the number of visiting organisations were less due to the COVID-19 restrictions which covered a significant portion of the reporting period. As part of study tour and exposure visits, Parambikulam Tiger Reserve hosted the following visitors during reporting period. Technical/professional inputs for these exposure visits were provided by the professionals of PaTCoF.

| Sr. | Date | Participants | No. of Days | Participants |
|-----|----------------------|--------------|-------------|--------------|
| 1 | SFTI Walayar | 24-11-2020 | 1 | 49 |
| 2 | TNFA Coimbatore | 13-12-2020 | 1 | 32 |
| 3 | TNFA Coimbatore | 16-12-2020 | 1 | 23 |
| 4 | Head Masters of KLGD | 28-01-2021 | 1 | 30 |
| 5 | Head Quarters staff | 28-01-2021 | 2 | 18 |
