

# ANNUAL REPORT 2015-16



**NATURE ENVIRONMENT & WILDLIFE SOCIETY (NEWS)**

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# 7<sup>th</sup> JSW - THE TIMES OF INDIA EARTH CARE AWARDS - 2016

*Edition* Awards For Excellence In Climate Change Mitigation & Adaptation



## NEWS WON THE AWARD FOR COMMUNITY-BASED MITIGATION AND ADAPTATION TO CLIMATE CHANGE

Out of 300 nominations in various categories in SAARC countries, NEWS is the recipient of EARTH CARE AWARDS 2016 in the category: Community based mitigation and adaptation to climate change in land use, land use change and forestry and water resources. Nature Environment and Wildlife Society's initiative of engaging vulnerable communities has promoted mangrove regeneration, restoration and reforestation, community nurseries of threatened species, sustainable agricultural and low carbon practices. This initiative builds capacities of communities to deal with the challenges posed by Climate Change. Earth Care Awards recognize the efforts of stewards, community and its leaders Government Agencies and the NEWS team for successfully demonstrating livelihood based climate change adaptation model.

## FROM THE SECRETARY'S DESK

We are delighted to let you know that our organization has won the most prestigious Earth Care Award in the category of Community based mitigation and adaptation to climate change in land use, land use change, forestry and water resources. We are thankful to JSW foundation and The Times of India for conferring us the award. Tireless efforts of our teammates coupled with scientific & technical innovative approaches is the key to NEWS success in engaging communities in conservation works, thus building stewardship for the cause.

The pillars of our work centre around Ecology & Environment, Wildlife, Livelihood augmentation for marginalized forest and other ecosystem dependent communities and awareness-education. In this annual report you will find the varied fabrics where NEWS is working and creating changes for conservation. Mangrove ecosystem is one major area where we are working and the sheer fact that we have our presence in mangrove ecosystems in other states like Maharashtra and Odisha speak of our achievements in Sundarban.

Wildlife conservation is becoming more and more critical as the forests are getting fragmented like disconnected islands and habitat loss is the prime reason for the extinction of species. NEWS is conducting research on habitat management whether it be for tiger reintroduction in Buxa Tiger Reserve or gharials in Hooghly River basin or identification of bio-resources in North Eastern India. Livelihood augmentation conforming nature-based solutions are key to any habitat conservation as local people are core elements of conservation and awareness among students can educate and orient the next generation of their priorities of challenges for a sustainable planet. I along with my team strongly believe that society is becoming more and more aware of the impending dangers of global warming and climate change and is slowly but definitively rising to the occasion.

I am grateful to our funding agencies who have put trust and faith in our leadership and to all of our members, patrons, well-wishers who have time and again stood beside us with their valuable suggestions and co-operation.

At last I thank my colleagues and teammates at NEWS for their determined efforts to successfully carry out the mandates and activities of the society towards its coveted vision, mission and goal.  
Regards,

A handwritten signature in black ink, appearing to read "Biswajit Roy Chowdhury".

Biswajit Roy Chowdhury  
Secretary

## FROM THE DESK OF JOINT SECRETARY

Dear Friends,

It was a dream come true last year; one can say a reward for the combination of hard work along with scientific approach of working towards conservation of ecosystems that NEWS had extended their work beyond the state of West Bengal into Maharashtra and Odisha and we have opened our offices there. I remember the journey when a very small group of us used to sit together and discuss on the needs of conservation and many a times felt the necessity of a very well structured vibrant organization to achieve the goals. All of you know that we are growing in size and we are proud to say that we have a very vibrant team with a cross section of professionals over various disciplines and ages.

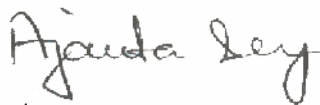
We are also working with new international funding partners namely the Mangroves for Future, Global Nature Fund-Germany, Ald Sud and Alnatura retail chains, Hermes international brand and many more. We are also working on mainstreaming the conservation agendas into developmental frameworks and Department of Panchayat & Rural Development, South 24 Parganas has introduced a course session on "Importance of conservation of biodiversity" for the Panchayat Pradhan and allied personnel esp. from Sundarban area where NEWS is working as a resource organization. We are partnering with Forest Department on various projects too.

Working as a conservation practitioner, I often find that the greatest challenge is the synergy of the various groups in the society who are all working for conservation but in their own ways. It is important for NGO's to take a positive role in bridging the gap. NEWS has given pivotal stress in partnering with several organizations in order to build this synergy. The Corporates , State Governments, Retail chains and business houses , International NGO's and Governments , interns from institutions like TISS, Symbiosis and also local partners have been harnessed together to achieve our vision and mission. For smooth functioning we have separated the Ecology, Wildlife and Livelihood sectors within the Society. However, the challenges are also huge.

In this Annual report also you will find that it is a mosaic of various issues that NEWS is working on. I undoubtedly owe a lot to the Livelihoods project of mangrove restoration in Sundarbans, from where I learnt a lot about management of multi-disciplinary project and the scientific planning and precision required for it. I am sure that all our friends and patrons will be happy to traverse with us this colourful path and we look forward to your guidance, support in the endeavor.

Our pledge continues to support our planet to grow in a sustainable and harmonized way for generations to come ...

With best wishes,



Ajanta Dey

## GOVERNING BODY 2015-16

President:	Dr. J.R.B. Alfred
Vice President:	Dr. H.S. Debnath
Secretary:	Mr. Biswajit Roy Chowdhury
Joint Secretary:	Ms. Ajanta Dey
Treasurer:	Mr. Subhasis Basu
Member:	Dr. Twisha Lahiri
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Member:	Mr. Abdul kader Kagalwala
Member:	Mr. Shubhendu Banerjee
Member:	Mr. Shiladitya Chaudhury
Member:	Mr. T.K. Chakrabarty
Technical Committee:	Dr. Sujit Chakraborty
Technical Committee:	Dr. Pradeep Vyas
Technical Committee:	Dr. Reena Chakraborty
Technical Committee:	Dr. Dulal Bose
Technical Committee:	Dr. Jayanta Roy Chowdhury
Technical Committee:	Dr. Gopal Patra
Technical Committee:	Dr. Kailash Chandra
Auditors:	KGRS & CO.

## Kakdwip restoration Project in Sundarbans through community participation: a pilot phase, where business meets biodiversity

The project is funded by Alnatura, Germany and was initiated at Lakkhipur mudflat under Madhusudanpur Gram Panchayat of Kakdwip Block, South 24 Parganas district, West Bengal. An area of approximately 1 hectare was selected for mangrove plantation keeping in consideration the two different strata, soft and hard, available on the mudflat. Site selection, stratification, species selection and mangrove plantation design, capacity building and awareness program was conducted with the active participation of the local community of Lakkhipur. After the plantation, women took active part in monitoring protocols established by NEWS. Plantation was done in a multi species landscape that included mangrove species such as *Rhizophora mucronata*, *Rhizophora apiculata*, *Avicennia marina*, *Sonneratia apetala*, *Heritiera fomes*, *Xylocarpus moluccensis*, *Bruguiera gymnorrhiza* and *Ceriops tagal*.



Alnatura is a German based sea food retailer chain and they are promoting black organic tiger shrimp production in Basirhat of North 24 Parganas. For every packet sold in the retail chain 15 cent goes to mangrove plantation and thus the project is funded. The uniqueness of the project is that the business pays back to enrich the biodiversity.



## Surveillance phase - Mangrove Afforestation, Reforestation and Restoration in Sundarbans with Community approach for reducing GHG emissions

The project that started in 2010 entered its second phase this year where Income generation activities and surveillance-monitoring of plantations have been separated under respective planning but integrated under the overall goal of creating a functioning ecosystem in the region and creating value chain in mangroves. A total 4403.93 Ha area of mudflat has been covered for the Mangrove surveillance; along with the selected 100 stewards NEWS team has started the mangrove surveillance in each mudflat every 6 months. A total 164 sites has been identified for the Mangrove surveillance spread over 4403 ha in entire Sundarban area. Each site has its own latitude and longitudinal identification verified by GPS and software like ArcGis and Base camp. A fixed point has been pre selected and the average plant height and average plant diameter at breast height (DBH, @ 1.3 Meter) in each site in 2 or 3 meter radius is monitored once in every 6 months. Also the canopy cover estimates, physico-chemical parameters of the soil and water are monitored including the erosion-accretion status. They are then combined with the Mangrove Watch Report sent by mangrove stewards to produce significant data on the growth variations of mangroves in Sundarbans. Besides, presence of few species namely horse shoe crab and lesser cats like leopard cats, jungle cats and fishing cats are also being surveyed in the plantation areas and mapped .

NEWS team also conducts meeting with communities living close to the plots and organises school programme for awareness building and orientation towards mangrove conservation.





## Mangrove restoration and biodiversity study of DharamTaar Creek under the funding of JSW, Dolvi, Raigarh, Maharashtra.

The mangroves along River Amba are under stress due to several anthropogenic disturbances. Jindal Steel Works (JSW) as part of their CSR programmes have tied up with NEWS for consultancy activities in the region to develop mangrove afforestation with community approach. NEWS have build the capacity of local villagers and have guided them on the technical knowhow of growing nurseries for mangroves, planting them and monitoring the same. 1,50,000 mangrove saplings were planted along the embankment of Amba river involving 5 villages namely MasadBedi, Shirkichal No 1 and 2, Tamshi Bandar and Thakurbedi. In terms of biodiversity study, the field team has so far recorded 78 species of birds, 4 species of mammals, 5 species of reptiles and 17 species of fishes. The project continues to restore biodiversity in the region.



## Wildlife

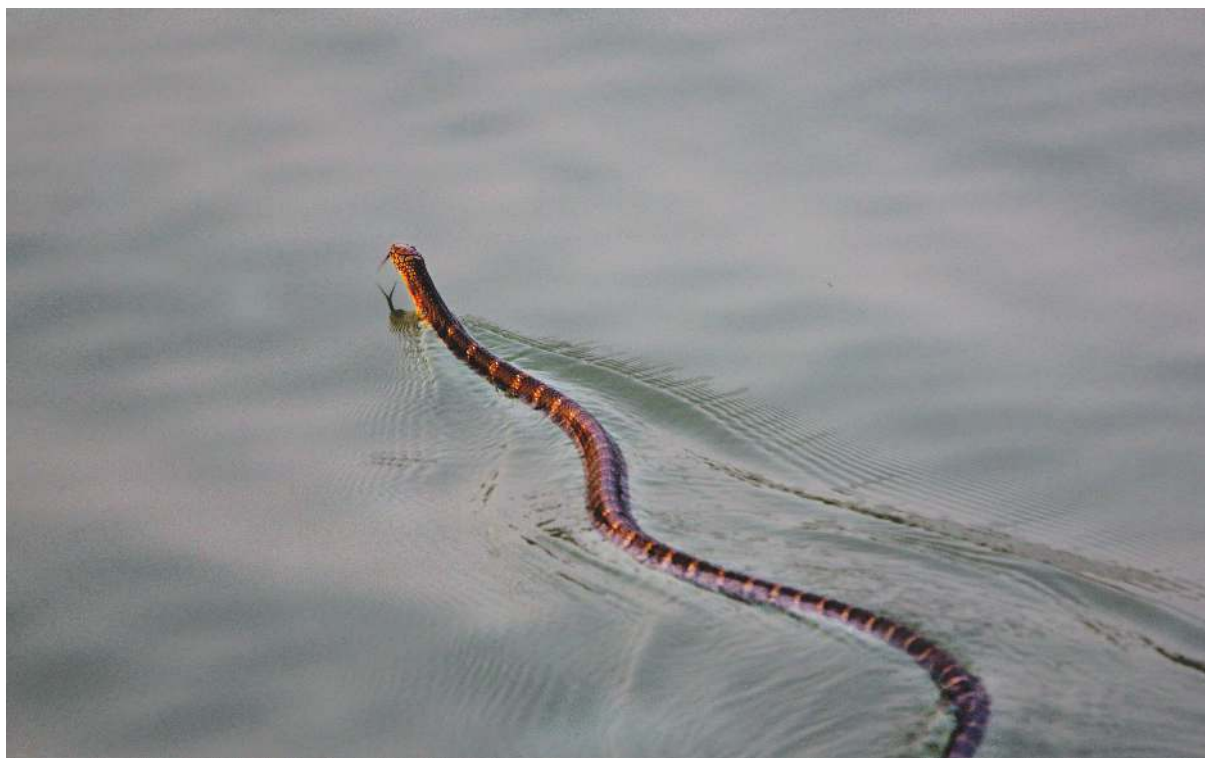


Tiger and habitat: Photograph taken by member of NEWS

## Study on the removal of teak monoculture in Buxa Tiger Reserve, West Bengal in order to develop proper habitat for herbivores such as Chital deer, Barking Deer, Sambar Deer, Elephant and Gaur as part of tiger re-introduction strategy

The project was carried out in Buxa Tiger Reserve and it has been recommended that the old teak plantations which are more than 40 years old having dense canopy are blocking the sun rays which is required for the growth of grasses, shrubs and climbers, necessary for herbivore population to thrive and grow. There is also not much grassland available in the forest floor accounting for significant absence of deer population in the region. Hence a report was submitted to Forest Department, so that the old teak plantations should be felled in phases and artificial regeneration of grasslands should be encouraged to restore the carrying capacity of the ecosystem as well as to develop suitable feeding grounds for herbivore, as part of the tiger introduction strategy in Buxa Tiger Reserve.





Sundarbans landscape: Photographs taken by members of NEWS

## Goliath Heron study in Sundarbans Biosphere Reserve, West Bengal

A collaborative study with the Forest Department, Government of West Bengal has been taken up to study the ecology esp roosting and nesting behavior of Goliath Herons in the entire Sundarbans biosphere reserve which includes both the tiger reserve as well as the South 24 Parganas forest division. Sightings have been made and this project is currently ongoing.



## Wildlife projects in the pipeline



Study on habitat manipulation in the forests of Jaldapara, Gorumara and Mahananda in northern part of West Bengal.

## HERMES - CSR initiative for ensuring alternative sustainable livelihood options and enhancing the income of fish farmers through scientific aqua culture in Sundarbans

In the current initiative mangrove Stewardship is intended to be promoted through scientific pisciculture, essentially integrated farming as per FAO guidelines and thereby increasing their income which will be model in the village for further replication and up scaling. The capacity building, with regard to natural resources management with locally available resources including physical, natural and human assets, is the key activity. Scientific training, individual handholding and modeling with required resources aiming to increase the production with reduced input costs, facilitation to concerned markets are provided. The project is an initiative by HERMÈS India as a part of their CSR programme and implemented in Basanti, Gosaba and Patharpratima block of Sundarbans region of South 24 Parganas in West Bengal.



## Building resilience of the coastal communities of Bhitarkanika, Odisha through increased livelihood security

This project is a small grants project under Mangroves for Future –IUCN programmes, the project area is in Dangamal village along the coastal belts around mangrove ecosystem of Bhitarkanika National Park which is frequently exposed to storms and cyclones. Threats of saline inundation has added to the woes of the coastal communities who mainly rely on monsoon dependent mono cropping agriculture namely paddy and also the area has been declared Eco-Sensitive Zone in 2015. The remoteness, poor connectivity has further aggravated the situation. The project is initiated at Dangamal, Trilochanpur, Kamalpur and Badadiya villages under Dangamal Gram Panchayat of Bhitarkanika Wildlife Sanctuary. The objective is to build the resilience of local communities through climate smart adaptations in agricultural farming practices. Local resources have been mapped and beneficiary selection completed. Thirty one farmers have already been handholded and trained for demonstration plots, vermicompost, organic pesticide, liquid compost and kitchen garden in agriculture. Local stakeholders including gram panchayat, Eco Development Committee of Bhitarkanika National Park, Block Agricultural Department have been being integrated into the project implementation. A local office of NEWS has been opened at Badadiya village under Dangamal Gram Panchayat.



## Income generating and stewardship building phase - Mangrove Afforestation, Reforestation and Restoration in Sundarbans with Community approach for reducing GHG emissions

The project that started in 2010 entered its second phase this year where Income generation activities and surveillance-monitoring of plantations have been separated under a micro-planning but integrated under the overall goal of creating a functioning ecosystem in the region and creating value chain in mangroves. Income Generation Activity (IGA) programmes funded by Livelihoods, Paris supports to build the capacity of selected 100 stewards under 59 Gram Panchayat covering all zones of Sundarbans. Handholding, training and knowhow sharing has been administered by the NEWS team on 'chemical pesticide and fertilizer free' farming technologies on Integrated farming with agriculture, fishery, duck, poultry and livestock rearing. Within chemical pesticide and fertilizer free farming, the farmers have been specifically given training on preparation of compost, vermicompost, bio-pesticide, seed treatment and kitchen garden and the implementation has been meticulously monitored by the NEWS team. To further augment the implementation process, expert visits for agriculture, pisciculture and livestock management from West Bengal University of Animal and Fishery Science (WBUAFS) has been conducted on Matla, Saptamukhani, Raimangal, and Bidya Zones to guide the farmers to effectively utilize the knowledge and training towards sustainable agricultural and pisciculture practices in order to improve their current livelihood status with the help of local natural resources. It may be noted that each of the Mangrove Stewards submit a Mangrove Watch Report (MWR) every month on the mangroves adjacent to their villages. This integrates the livelihood activities with the overall mangrove protection of the region.





## A case study – when models replicate and brings challenges of markets

Enthused by a model farming practice of a local Mangrove Steward in Gorankathi, 17 farmers of 4 number Gorankhati village, under Matla zone has mobilized themselves in a pilot project to implement chemical pesticide and fertilizer free farming practices so as to develop and produce organic agricultural products which are to be branded, marketed and sold in various organic markets in around Kolkata. This entire scheme has been initiated by NEWS with support from Livelihoods, Paris under “Farm to Fork” strategy in order to bring organic produce straight from the producers to the consumers addressing challenges such as transportation and logistical issues, access to organic markets, linkages to Government policies and infrastructure ,ensuring competitive pricing to ultimately guarantee more financial gains to the farmers and will act as a motivating factor to practice organic farming wholeheartedly.



## Citizen Science Research Project and Fresh Water Watch program for monitoring water parameters in East Kolkata Wetlands

In continuation with the protocols of the Citizen Research Project and Fresh Water Watch program aimed at generating awareness on the importance and biodiversity of East Kolkata Wetland (EKW), a Ramsar Site, 7 Citizen's Science Leader (CSL) and 9 Fresh Water Watch (FWW) programs were conducted with employees of Hong Kong and Shanghai Banking Corporation (HSBC) in cooperation with Earthwatch Institute, India in collaboration with their UK headquarters. All the events were carried out at 5 freshwater bodies (bheris) within East Kolkata Wetland and trends of land use and water use patterns and the seasonal variation of water quality parameters were studied and recorded. In addition, 2 stakeholder program was also conducted at EKW involving the local fishermen community and teachers of a local primary school. In the first stakeholder event, the local fishermen community was made aware of the freshwater issues plaguing the humanity, discussions were held regarding the various personal and community engagements for improvement of livelihood through scientific fishing practices. In addition, the fishermen were educated about water sampling and carried out in situ testing of water samples sourced in from local waterbodies. In the second stakeholder program, the teachers of Naobhanga Prathamik Vidyalaya participated in event to create awareness about global fresh water issues, conservation efforts in the area and fresh water testing. Within the program, biodiversity at East Kolkata Wetland regarding flora and fauna was studied and recorded. All the developments and data was shared with Earthwatch, UK through quarterly reports and field reports and this program has helped to increase the awareness about the biodiversity and freshwater issues around East Kolkata Wetlands among the citizens of Kolkata.



## Demonstration in East kolkata Wetland



## Bookfair 2016



## Mangrove Event



The Mangrove Action Day celebration initiated with the programme on 26th July, 2016 at Gopalganj village located in Bankerghat plot in Kultali block of South 24 Parganas district.

The second phase of the celebration was flagging off a tableau based on mangrove protection from Simpark Mall, New Market, Kolkata on 30th July, 2016 to create an awareness among the people of Sundarbans. The tableau was flagged off by Ms Agnimitra Paul, the fashion designer noted for her commitments to wildlife conservation and Mr Ashok K Sanyal, Chairman-West Bengal Biodiversity Board along with representatives from Department of Panchayat & Rural Development, South 24 Pgs, West Bengal.



The tableau moved through several townships in Sundarbans. First destination was Canning where the programme was held at Canning bus stand. It was attended by the Head master and teachers of the local high school – Swanirvar Siksha Sadan, Sambhu Das (Village member of Canning-I Gram Panchayat), Mr. Arabindu Manna (Banabibi Karmadhakya) and the local people.



At Gadkhali the programme was held at the local bus stand and school. It was attended by the local people.

Mangrove awareness programme was also celebrated in Dhamakhali



Dakshin Laxminarayanpur Judhishtir Vidyapith hosted the tableau programme at Saptamukhani zone. School students and teachers were present at the programme.

Programme in Sagar zone was held on 4th and 5th of August, 2016. On 4th August quiz was organized at Madhusudhanpur Primary School where the school students participated. Token gifts were given to students in appreciation.



## Kakdwip restoration Project - visit of dignitaries

Mr. Udo Censkowsky and his team visited Lakkhipur mudflat under Madhusudanpur Gram Panchayat of Kakdwip Development Block, South 24 Parganas, Sundarbans, West Bengal on 7th December 2016 to assess the progress of both mangrove and non-mangrove plantation and to interact with the local community so as to gauge their involvement and commitment towards protection and conservation of mangroves. The team was greeted by the women of the local community and they explained Udo Censkowsky the protocols followed for mangrove and non-mangrove plantation and their efforts at protecting the saplings from grazing by livestock. NEWS along with the women of the community showed the various species of mangroves planted to the visitors. The team walked along the mudflat and the embankment, observed the survival rate of the species of both mangrove and non-mangrove plantation and expressed satisfaction at the overall progress and outcome of the project. The team then sat down with the women in the community and had a general discussion about mangroves, livelihood practices and possible extension of project boundary to another 1 to 2 hectare of land for mangrove plantation. Mr. Udo Censkowsky lauded and appreciated the enthusiasm, dedication and commitment shown by the women of the community towards the conservation of mangroves and expressed his deepest gratitude.



## Community owned Home-stay in Nafarganj, Sundarban – setting new paradigms in eco-tourism

Community owned Home Stay tourism is a viable alternative livelihood opportunity for the marginalized communities. NEWS had been doing advocacy for this model and along with YES bank Limited documented the roadmap for community led eco tourism in Sundarban in the previous year. Despite all challenges, NEWS supported this model with friendly orientation and set a unique trend in ecotourism for the first time in Sundarbans – the community owned home stays.

The communities of Birinchibari village, Nafarganj Gram Panchayt in Basanti block of Sundarbans hosted their first guest from Belgium in Home Stay accommodation and managed their entire itinerary and culinary in their own style. The tourists, stayed there from 7th to 10th of March 2016. Guests loved every moment they spent in this ambience.



## CSR activities



## Volunteering programme by HSBC in fresh water watch at East Kolkata Wetland



## NEWS delivers in IBRAD workshop: Participatory conservation for Improved Ecosystem Services in the context of climate change



## NEWS interaction with tribal women around Simlipal National Park, Odisha for assessment of integration of gender issues in conservation



## Workshop on 'Conservation of Biodiversity of Sundarban'

A one day Workshop on 'Conservation of Biodiversity of Sundarban' was held on August 17, 2016 for the 140 Gram Panchayats from all 13 blocks of South 24 Paraganas district located in Indian Sundarbans. The programme was organized by Nature Environment & Wildlife Society (NEWS) in collaboration with District Panchayat & Rural Development, South 24 Parganas and West Bengal Biodiversity Board. This workshop intended to orient the Gram Panchayat representatives in Sundarbans towards conservation of Sundarbans mangrove ecosystem and the roles of Panchayats.

The workshop was graced by the participation of Padmasree Tushar Kanjilal, Mr. Dilip Pal, Special Secretary, Panchayat & Rural Development (P & RD), Additional District Magistrate Land and Land Reforms, and Scientists from West Bengal Biodiversity Board. Also representatives from the Forest Department, Sagar Development Authority, Fisheries Department responded to various questions raised by the participants. Sub Divisional Officers, Block development Officers, Sabhapati, Panchayat Pradhans/ UpaPradhans and senior members of the Gram Panchayats from 140 GPs of Sundarbans (South 24 Paraganas) attended the workshop..

Discussions were held on the overview of local livelihood development in Sundarbans, importance of mangrove ecosystem and biodiversity in protecting the lives and livelihoods of Sundarbans and role of Panchayats in implementation of Biodiversity Management Committee. The workshop ended with a much needed panel discussion where a number of questions on the challenges faced in this context were raised by the Panchayats and answered by

respective departments and resource persons present.



Sri Dilip Pal, Spl. Secretary to P&RD Dept.  
Govt. of West Bengal delivers at the workshop



Padmasree Tushar Kanjilal delivers at the workshop

## School Programmes



**KGRS & CO**

Chartered Accountants

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**INDEPENDENT AUDITORS' REPORT****To the Members of Nature Environment & Wildlife Society****1. Report on the Financial Statements**

We have audited the accompanying Financial Statements of **Nature Environment & Wildlife Society** ("the Society"), which comprise the Balance Sheet as at March 31, 2016, and the Income & Expenditure Account and the Receipts and Payments Account for the year then ended, and the accompanying schedules.

**2. Members' Responsibility for the Financial Statements**

The members are responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Society. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

**3. Auditors' Responsibility**

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Society's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Society's internal control. An audit also includes evaluating the appropriateness of accounting policies used & reasonableness of the accounting estimates made by the Society, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.



**KGRS & CO****4. Opinion**

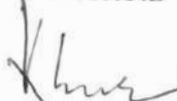
In our opinion and to the best of our information and according to the explanations given to us, the financial statements give a true and fair view in conformity with the accounting principles generally accepted in India:

- (a) in the case of the Balance Sheet, of the state of affairs of the Society as at March 31, 2016
- (b) in the case of the Income & Expenditure Account, of the income & expenditure of the Society for the year ended on that date.
- (c) in the case of the Receipts and Payments Account, of the receipts and payments of the Society for the year ended on that date.

**5. Report on Other Legal and Regulatory Requirements**

- a. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
- b. In our opinion proper books of account have been kept by the Society so far as appears from our examination of those books ;
- c. The Balance Sheet, Income & Expenditure Account, Receipts & Payments Account dealt with by this Report are in agreement with the books of account.

For KGRS & Co.  
Chartered Accountants  
FRN 310014E

  
(K. Dutta)  
Partner  
Membership No 53790



Place: Kolkata

Date: September 20, 2016

**Nature Environment & Wildlife Society  
Balance Sheet as at March 31, 2016**

(In Rupees)		
Particulars	Schedule	As at 31st March 2016
<b>SOURCES OF FUND</b>		
<b>Unrestricted Funds</b>		
General Fund	1	27,686
<b>Current Liabilities</b>		
Loan from members		467,000
Liability for expenses		906,372
<b>Total</b>		<b>1,401,058</b>
<b>APPLICATION OF FUND</b>		
<b>Fixed Assets</b>	2	906,184
<b>Current Assets, Loans and Advances</b>		
Loans & Advances		47,076
Cash and Bank Balances	3	447,798
<b>Total</b>		<b>1,401,058</b>
Significant Accounting Policies	5	


In terms of our report of even date

**For KGRS & Co**  
Chartered Accountants  
FRN: 310014E

  
(K Dutta)  
Partner  
Membership No. 53790



For and on behalf of the Society





Place : Kolkata

Date : September 20, 2016

**Nature Environment & Wildlife Society**  
**Income and Expenditure Account for the year ended 31 March, 2016**

		(In Rupees)
Particulars	Schedule	2015-16
<b><u>INCOME</u></b>		
Grant Received	4	10,032,480
Interest from Bank		30,832
Donation Received		769,506
Miscellaneous receipts		76,471
Other reimbursements		126,785
<b>Total</b>		<b>11,036,074</b>
<b><u>EXPENDITURE</u></b>		
Salary & Staff Welfare expenses		7,111,350
Plantation Expenses		1,210,341
Fresh Water conservation expenses		437,472
Travel & Transport		1,139,767
Campaigns & Awareness programme expenses ( including workshop expenses)		1,168,313
Communication Expenses		158,931
Office Expenses		465,043
Miscellaneous expenses		190,216
Depreciation On Fixed Assets		512,403
Audit fees		24,472
<b>Total</b>		<b>12,418,308</b>
Excess of expenditure over income		(1,382,234)
<b>Significant Accounting Policies</b>	5	

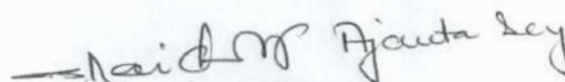
In terms of our report of even date

**For KGRS & Co**  
**Chartered Accountants**  
**FRN: 310014E**

  
**(K Dutta)**  
**Partner**  
**Membership No. 53790**

**Place : Kolkata**  
**Date : September 20, 2016**

**For and on behalf of the Society**





**Nature Environment & Wildlife Society**  
**Receipts & Payments Account for the year ended 31 March, 2016**

(In Rupees)

Particulars	Schedule	2015-16
<b>Receipts</b>		
<b>Balances at the beginning of the year</b>		
Cash		110,878
Bank		690,715
Liability for expenses		(1,119,601)
Grant Received	4	10,032,480
Loan from members		390,000
Donation		769,506
Interest from Bank		30,832
Miscellaneous receipts		76,471
Other reimbursements		126,785
Adjustment of staff advances/receivables		855,831
<b>Total</b>		<b>11,963,897</b>
<b>Payments</b>		
Salary		7,111,350
Plantation Expenses		1,210,341
Fresh Water conservation expenses		437,472
Travel & Transport		1,139,767
Campaigns & Awareness programme expenses ( including workshop expenses)		1,168,313
Communication Expenses		158,931
Office Expenses		465,043
Miscellaneous expenses		190,216
Audit Fees		24,472
Purchase of fixed assets		13,565
Repayment of loan to members		503,000
<b>Balances at the closing</b>		
Cash		38,076
Bank		409,722
Liability for expenses		(906,372)
<b>Total</b>		<b>11,963,897</b>
<b>Significant Accounting Policies</b>	5	

In terms of our report of even date

For KGRS &amp; Co

Chartered Accountants

FRN : 310014E



(K Dutta)

Partner

Membership No.53790



For and on behalf of the Society




Place : Kolkata

Date : September 20, 2016

**Nature Environment & Wildlife Society**  
Schedules forming part of the financial statements

Nature Environment & Wildlife Society, a society registered with the West Bengal Societies Registration Act, 1961 was established in 1991 to promote awareness among people about conservation of nature, environment and wildlife

(In Rupees)	
Particulars	As at 31st March 2016
<b>Schedule 1: General Fund</b>	
Opening balance	1,409,920
Add: Excess/(Deficit) in Income & Expenditure Account	(1,382,234)
Closing Balance	<b>27,686</b>

**Schedule 2: Fixed Asset**

Name of the Asset	Written Down Value as on 1 <sup>st</sup> April 2015	Additions during the year	Sales during the year	Depreciation for the year	Written Down Value as on 31 <sup>st</sup> March 2016
	Rs	Rs	Rs	Rs	Rs
Plant & Machinery	662,908	-	-	99,436	563,472
Computer	667,970	13,565	-	405,552	275,983
Books & Periodicals	11,585	-	-	1,159	10,426
Furniture & Fixture	62,559	-	-	6,256	56,303
<b>Total</b>	<b>1,405,022</b>	<b>13,565</b>	<b>-</b>	<b>512,403</b>	<b>906,184</b>

(In Rupees)	
Particulars	As at 31st March 2016
<b>Schedule 3: Cash &amp; Bank Balances</b>	
Cash in hand	38,076
Balances held with Banks	409,722
<b>Total</b>	<b>447,798</b>

(In Rupees)	
Particulars	2015-2016
<b>Schedule 4: Grant Received</b>	
Project - Danone	9,258,692
Project - NAP	150,000
Project - Sundarban Tourism	56,000
Project - Fund from East Kolkata	391,024
Project - Sea & Sky	135,216
Other Projects	41,548
<b>Total</b>	<b>10,032,480</b>



**Nature Environment & Wildlife Society**  
**Schedules forming part of the financial statements**

**Schedule 5: Significant Accounting Policies**

**a) Basis of preparation of financial statements**

The Financial Statements are prepared on accrual basis under the historical cost convention.

**b) Fixed Assets**

Fixed assets are stated at cost, net of depreciation. The cost of an asset comprised its purchase price and may cost directly attributable for bringing the asset to its working condition and location for its intended use.

**c) Depreciation**

Depreciation on Fixed Assets is provided on Written down Value Method at the rates specified in the Income Tax Act, 1961. Depreciation of assets acquired during the year is provided on proportionate basis.

**d) Revenue Recognition**

Grants in aid is recognised in the Income & Expenditure Account to the extent utilised for the purpose of the project. The unutilised balance of Grants in aid, if any is carried forward in the Balance Sheet.

Membership Fees and subscription have been recognized in the financial statements only at the stage it attains reasonable assurance, on the basis of all available evidence, that the membership fees will be received.

In terms of our report of even date

For KGRS & Co

Chartered Accountants

FRN : 310014E

  
 (K. Dutta)

Partner

Membership No.53790



For and on behalf of the Society



Place : Kolkata

Date : September 20, 2016



বাংলায় উদ্বেগজনক হারে কমছে ম্যানগ্রোভ অরণ্য

to determine and compare methods for the analysis of AAH-tissue samples by immunohistochemistry (IHC) and immunocytochemistry (ICC) in the paraffin-embedded tissue.

**Methods:** Immunohistochemistry and immunocytochemistry were performed on paraffin-embedded tissue and on cells isolated from the same tissue, respectively. The immunohistochemical and immunocytochemical results were compared.

**Results:** The immunohistochemical and immunocytochemical results were compared. The immunohistochemical results were compared with the immunocytochemical results.

**Conclusion:** The immunohistochemical and immunocytochemical results were compared. The immunohistochemical results were compared with the immunocytochemical results.

[illegible]

**THE WINNERS**  
Sundstrand is a manufacturing corporation which provides products to growth industries. The company's main products are used in the construction, transportation and other industries.

[illegible]

“We have evolved our brand to fit future systems. This is the company behind the video gaming revolution. We build the next learning technologies, integrating elements of hard training and global education.”

...the Chinese government has been generally full of use of the small concrete use now beginning to participate in spite of BRICS. In China is growing for a sign that the free-trade zone: the 11-member Association of South-east Asian Nations is forming a common market and Asian countries have started taking a common position. The Chinese government is also taking for a free-trade zone, which is in the same way, the same way.

the way. I have this pain and discomfort global feeling, as if there to stay.

**Do you consider the persistence of schizophrenia less important than the education of citizens for the 21st century is a good use of these resources?**

**Chomsky:** As a teacher, I don't see schizophrenia as less than other activities of mine go to, but as possibly that of

other things.

**Doesn't sound like you're going to give other experts a more hand to become self-sufficient.**

**—Jed Shuman  
Cofounder, American Alliance  
for the Mentally Ill**

[illegible]

का

[illegible]

He also feels that since there is no one in an area," he says. of India (WPSI) Col Shakti Ranjan Banerjee said it's

**SMALL WOUNDS**

"Fish and crabs form the large part of their diet. But no concrete study has ever been done to assess the impact of the oil spill on the marine biodiversity of the Santeramo. So the effect is ripple-effect, if at all," says the director of the island's Wildlife Protection Society. But this WWF study has once again brought to fore the fact that our protection measures have yielded results.

Honorary director of Wildlife Protection Society

high time to focus on these lesser-known species. "Sometimes others are considered threatened, this finding has great conservation significance," he says. But state wildlife advisory board member Biswajit Roy Chowdhury has a different take. "Though others are found in the Sunderbans, I don't think they are evenly distributed. Better sighting of monitor lizards and salt-water crocodiles points to the fact," he adds. General secretary of SILE, Joydip Kundu, said focus on such lesser-known species is the key to maintain proper ecological balance and keep the food chain intact.



Human and Jumbo deaths in N Bungal's Terai region (Mechi river to Teesta river)			
Year	Jumbo Death	Year	Human death
2012	2	2012-13	12
2013	3	2013-14	3
2014	7	2014-15	8
2015	4	2015-16	15
2016 (so far)	2		

and also initiate projects like immunocontraception to check jumbo population in N Bengal. Steps should also be taken to increase the elephants' fodder base," said state wildlife advisory board member Biswajit Roychowdhury.

TIMES OF INDIA

## TRACKING PUG MARKS

Decades ago when a leading animal manufacturer had marketed a range of children's shoes which had the pig mark, it was different from the shoe sole, it raised a hearty laugh among some of the spirits of the children. The pig marks of different sizes were used in the play ground as well as on the occasions when the children walked into the school after running through puddles. A joint publication of *Environ Public Health* and *Nature* has now returned and Wildlife Conservation Program. Marked is certainly not going to make any hunters. Pig mark, is the term used to refer to the footprint of most mammals especially to rodents. Every individual animal species has a unique mark and as such this is used for identification. Wildlife conservation efforts are known to use pig marks in the areas they operate. Pig marks are also used for tracking poachers and poaching which may be a danger to mankind or even to the survival of species and its habitat. It is possible to make an accurate identification of species, sex, age and physical condition of an animal from its tracked field. In India, Pig mark Tracking involves collection of pig mark tracks from the field and analysis of these separately for individual male, female, and calf of the litter and leopard, and their diagnostic track and claw and spurted distribution. In order to identify animal tracks and foot paths. To give an example, sharing the pig mark of a Civetus Genus of Simulium mud pig's were over 75 cm of tracking routes, from a single pig mark, tracks were collected along with the pig mark. Part of the pig mark was collected in specially designed containers for analysis. The pig mark and the track along with the field location are together analyzed with map of the area to find out the location and use of the pig's evidence. The pig mark and the track along with the field location are together analyzed with map of the area to find out the location and use of the pig's evidence. The pig mark and the track along with the field location are together analyzed with map of the area to find out the location and use of the pig's evidence.

