

West Bengal Forest and Biodiversity Conservation Society
Office of the Chief Project Director
Block LB-2, Sector III, Salt Lake City, Kolkata -700098

No.: 766 / WBFBC / 7- 2 (1)/14

Dated: 10.03.2016

NOTICE

The 8th meeting of the Governing Body will be held on **18th March, 2016 at 4 PM in the Conference Hall of the West Bengal Forest & Biodiversity Conservation Project office at LB-2, Sector – III, Salt Lake, Kolkata-700098.**

The following are the agenda of discussion:

1. Confirmation of the minutes of the 7th meeting held on 17th November, 2015.
2. Discussions of the Action Taken Report on the Resolutions of the minutes of the 7th meeting held on 17th November, 2015.
3. Approval of the modifications proposed in Mid Term Review.
4. Approval of appointment of M/S J. Singh & Associates as Internal Auditor of the WBFBC Society for the year 2016-17.
5. Overseas Training of Officers.
6. *Any other item with permission of the Chair*

The Agenda note is enclosed. You are requested to kindly make it convenient to attend the meeting.


Chief Project Director and
Member Secretary, WBFBC Society

No.: 767 / WBFBC / 7- 2 (1)/14
Forwarded for necessary action to:

Dated: 10.03.2016

- | | |
|--|---|
| <ol style="list-style-type: none">1 Shri C. Sinha
Principal Secretary Forest Dept. and
Chairperson2 Shri P. Shukla,
Principal Chief Conservator of Forests &
HoFF West Bengal – Member3 Shri N.K. Pandey,
Principal Chief Conservator of Forests
General – Member4 Shri S. Dhaundyal,
Managing Director, West Bengal Forest
Development Copn. – Member5 Shri P. Vyas
Principal Chief Conservator of Forests &
CWLW – Member6 Shri B.R. Sharma,
Principal Chief Conservator of Forests
Research, Monitoring & Dev. – Member7 Shri N.V. Rajasekhar
Addl. Principal Chief Conservator of Forests,
Human Resources Dev. – Member | <ol style="list-style-type: none">8 Shri T.V.N Rao,
Addl Principal Chief Conservator of Forests,
Finance – Member9 Shri P.T. Bhutia,
Addl Principal Chief Conservator of Forests,
North Bengal – Member10 Shri R. Das,
Managing Director, West Bengal Forest
Wasteland Dev. Copn. – Member11 Smt. Mita Banerjee,
Addl. Secretary Govt. of West Bengal,
Forest Dept. – Member12 Shri Shomit Ghosh,
Joint Secretary Govt. of West Bengal,
Finance Dept. – Member13 Shri S. Dasgupta,
Project Director (Finance), West Bengal
Forest and Biodiversity Conservation
Project – Spl. Invitee14 Shri S. Chaudhuri,
Project Director (M&E), West Bengal Forest
and Biodiversity Conservation Project – Spl.
Invitee |
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Chief Project Director &
Member Secretary WBFBC Society



AGENDA NOTE

8TH MEETING OF THE GOVERNING BODY

ON 18.03.2016

**WEST BENGAL FOREST AND
BIODIVERSITY CONSERVATION
SOCIETY**

West Bengal Forest and Biodiversity Conservation Society

Agenda Notes for the 8th Meeting of the Governing Body of the West Bengal Forest and Biodiversity Conservation Society

1. Confirmation of the minutes of the 7th meeting held on 17th November, 2015

No communication has been received in respect of the minutes from any member.

As such the minutes may be considered as confirmed.

2. Discussions of the Action Taken Report on the Resolutions of the minutes of the 7th meeting held on 17th November, 2015

The action taken report is attached as **Annexure I** to these notes.

Members are requested to kindly peruse the same and give their valued opinion, if any.

3. Approval of the modifications proposed in Mid Term Review

The mid-term review of West Bengal Forest and Biodiversity Conservation Project was carried out from 3rd - 4th February, 2016 at the PMU office, Kolkata followed up by wrap up meeting in JICA office, New Delhi on 15th February, 2016.

The final recommendations duly considering the modifications in the project suggested by the project authorities and JICA missions was submitted to JICA India on 16th February, 2016 (**Annexure II**).

Ms Sachiko Imoto, Senior Representative, JICA India has conveyed "in principle" no objection to all the modifications proposed by us.

However, for the proposed empowerment of the Chief Project Director to make minor adjustments among Afforestation model (Point No. 2 of Wrap Up, Page 16 of Annexure II), minor adjustments between various major components (Point No. 3 of Wrap Up, Page 16 of Annexure II) and adjustments due to change in policy level decision in Government (Point No. 4 of Wrap Up, Page 16 of Annexure II), **JICA India has advised for prior consultations and, if required to obtain "no objection" from JICA.**

Now, the said proposal is required to be submitted to JICA India through the Ministry of Environment and Forests and Climate Change, Government of India and Department of Economic Affairs, Ministry of Finance, Government of India for formal "no objection", after the same is approved by the Government of West Bengal.

The modifications proposed in the mid-term review (**Annexure II**) would only come into effect after the formal "no objection" by the JICA is received.

In the light of the above, the Governing Body of the WBFBC Society is requested;

- (i) to kindly extend its concurrence of the proposed modifications so as to enable us to secure a formal "no objection" from JICA India; and*
- (ii) to allow effectuations of the proposals in anticipation of the formal 'no objection from JICA India', considering the time bound activities envisaged in the modifications, especially with reference to Afforestation and Biodiversity Conservation Components.*

4. Approval of appointment of M/S J. Singh & Associates as Internal Auditor of the WBFBC Society for the year 2016-17.

E-Tender was invited for the appointment of Internal Auditor of the WBFBC Society for the Year 2016-17.

As per the norm under **QCBS (80% Technical + 20% Financial)** system of Tendering was adopted. Bids from the following companies were received.

- **M/S S.K Agarwal & Co**
- **M/S Mukherjee , Biswas & Pathak**
- **M/S Om Kejriwal & Co.**
- **M/S J.Singh & associates**
- **M/S Sarkar Gurumurthy & Associates**

The Bids were processed by a Committee constituted for the purpose comprising

- a) Prasanta Kumar Pandit, APD (Implementation)
- b) Goutam Kumar Chatterjee, JPD (Coordination)
- c) Pradeep Sarkar, Office Superintendent

The details of the Technical & Financial results and the Final Result is shown hereunder.

A. Technical Result Sheet.

- | | | |
|------|------------------------------------|---|
| i) | M/S S.K Agarwal & Co.- | Marks obtained-70 Actual Marks 80% = 56.00 |
| ii) | M/S Mukherjee, Biswas & Pathak- | Marks obtained-69 Actual Marks 80% = 55.20 |
| iii) | M/S Om Kejriwal & Co.- | Marks obtained- 88 Actual Marks 80% = 70.40 |
| iv) | M/S J.Singh & associates- | Marks obtained-96 Actual Marks 80% = 76.80 |
| v) | M/S Sarkar Gurumurthy & Associates | Marks obtained- 67 Actual Marks 80%= 53.60 |

B. Financial Result Sheet

- | | | |
|------|------------------------------------|--|
| i) | L1-M/S Mukherjee, Biswas & Pathak | Rate quoted-3,94,250/-- Marks-100 Actual 20%=20.00 |
| ii) | L2-M/S S.K.Agarwal & Co | - Rate quoted-6,49,100/- Marks- 60.74 Actual 20%=12.15 |
| iii) | L3- M/S Om Kejriwal & Co. | - Rate quoted-6,85,000/-Marks 57.55 Actual 20%=11.51 |
| iv) | L4-M/S J.Singh & associates | - Rate quoted-11,40,000/-Marks 34.58=Actual 20%=6.92 |
| v) | L5- M/S Sarkar Gurumurthy & Asso.- | Rate quoted-11,73,937/- Marks 33.58=Actual 20%=6.72 |

C. Final Result

Sl No	Name of the Agency	Final Technical Score (80%)	Final Financial Score (20%)	Total Score	Rank
1	M/S Mukherjee, Biswas & Pathak	55.20	20.00	75.20	Third
2	M/S S.K Agarwal & Co	56.00	12.15	68.15	Fourth
3	M/S Om Kejriwal & Co	70.40	11.51	81.91	Second
Sl No	Name of the Agency	Final Technical Score (80%)	Final Financial Score (20%)	Total Score	Rank
4	M/S J.Singh & associates	76.80	6.92	83.72	First
5	M/S Sarkar Gurumurthy & Associates	53.60	6.72	60.32	Fifth

From the final result sheet it may be seen that **M/S J.Singh & Associates scored highest marks of 83.72.**

The same was recommended for approval by Circular Resolution No. 1 dt. 18.02.2016. Majority of the members and the Chairperson of the WBFBC Society has kindly approved the proposal. Work Order has been placed.

The Proposal is now placed before the Governing Body for formal ratification of selection and appointment of M/s J.Singh & Associates as internal auditor of the Society.

5. Overseas Training of Officers

The project provides for Overseas Training of senior officers under the Training and Capacity Building component. Item 4.B1-Package-I for Senior Officers, under this component, include Training in Foreign Institutes (4.B1.1). The Project Management Consultant (PMC), has been working on the overseas training component for some time now and has presently submitted the following proposals with regard to Overseas Training:

	Country	Training Partner/Host Institution	Topic	Proposed Date	No. of Participants	Proposed Budget
1	South Africa	Southern African Wildlife College (SAWC)	Wildlife Management	5-20th Sept, 2016	16	32.68 Lakh
2	Mexico & Belize	Ecosur, PFB	Eco-tourism, Biodiversity Conservation	19th Nov-1st Dec, 2016 (May be deferred to Dec, 2016)	15	65.00 Lakh
3.	Kenya	Kenia W.L Service / KEFRI	Climate adapted wildlife & park management.	August, 2016	12	40.00 lakh
4.	Sri Lanka	Tropical Ecosystem Research Network (TERN), Sri Lanka	Human–Elephant conflict & park management	Nov.,2016 (for 14 days)	10	16.62 Lakh
Total RS.						154.30 Lakh

Observations on the correspondences and notes received from the Team Leader, PMC:

- (i) **SAWC**, the Host Institution of **South Africa**, is a Registered non-profit Company and have given their consent for hosting 16 officials for a training on issues related to Wildlife and Park Management. As per their payment policy, 50% deposit is required in order to confirm booking and the balance will have to be cleared 21 days prior to arrival. (See Annexure III A)
- (ii) **Kenya Wildlife Service and Kenya Wildlife Service Training Institute (KWSTI)** is a middle level college located in Naivasha, 60 km from Nairobi and registered with the Ministry of Education, Science and Technology. It is managed by the Kenya Wildlife Service (KWS), which is a State Institution. The Kenya Forest Research Institute (KEFRI) is a State Corporation and a centre excellence of forestry mandated to undertake Forestry Research and Natural Resources. E.g: Productivity and Improvement, Biodiversity and Environment Management, Forest Products development etc. It is 23 km north-west of Nairobi. The proposed course is for 12 persons and covers 13 days including travel time in Aug. 2016 (See Annexure III B).
- (iii) For Ecotourism and Biodiversity Conservation we received correspondences from Central American countries—**Belize and Mexico**. The total programme is for 13 days including travel time (*Mexico-7 days, Belize-3 days, International travel-3 days*). As per the note received from the Team Leader of Project Management Consultant (PMC), the organizations involved in the Study Tour includes Commission Nacional De Areas Protegidas (**CONANP**), Mexico, Programme for Belize (**PFB**) a Belizean Non-profit Organisation to promote conservation of the natural heritage of Belize, which includes that flagship project of Rio Bravo Conservation and Management Area etc. Sustainable Tourism Certification Programme, IGA activities and Forest Conservation in Community Forests etc are some of the areas of interest. (Annexure III C).
It is understood from the Team Leader PMC that the following organizations will co-ordinate and facilitate the visits in their respective countries:
 - (a) **ECOSUR** (El Colegio De La Frontera Sur) in Mexico;
 - (b) **PFB** (Programme for Belize) in Belize.Letter of assurances have been received from ECOSUR and PFB (copies annexed with Annexure III C).
- (iv) Response from **Tropical Ecosystem Research Network (TERN)**, Sri Lanka has been received recently through the PMC. The CEO and Director of TERN has issued a letter of Assurance with regard to designing, organizing and co-ordinating a study tour of 10 officers in Sri Lanka, tentatively in November, 2016. TERN is a registered non-profit organization, committed to biodiversity conservation and environmental protection of Sri Lanka, through facilitating research, education, conservation and sustainable development. TERN regularly engages with Govt. and Non-govt. institutions including department of Wildlife Conservation and Forest Dept. of Sri Lanka and has close working relations with them.

Dr. Enoka.p. Kudavidanage, the CEO and Director, TERN has assured to act as the organizer and logistic planner of the visit. There will be a number of organizations including Sabaragamuwa University, Sri Lanka associated with TERN for the purpose of the proposed visit. The training and movement plan which will follow the letter of assurance is awaited from TERN. The scope of study tour includes Protected Area Management and Human Elephant conflict and Marine Mammal Conservation Programme etc. It will cover visit to National Wildlife Training Center (NWTC), Girithale, Minneriya or Kawudulla National Park,, Nuware Eliya, Sri Lanka Forestry Institute (SLFI), Udawalawe National Park, Hambantota Botanic Garden, Yala National Park etc. **(Annexure III D).**

Information on Fund Provision :

- (i) Under the Project, **Rs. 154.66 Lacs** has been provided for Foreign training of senior officers (budget head of account-4.B1.1) including escalation. Further, if we include contingency provided under the project, it would be **Rs 170.128 lacs**.
- (ii) In the Mid-term Review, pooling in fund of **Rs. 32.00 lacs** only from the savings from price escalation component provided under other training components has been proposed and agreed in principle by JICA.
- (iii) Thus the total fund available is:
Rs.170.128 lacs – pre MTR and only from the specific head of Foreign Training;
Rs.202.128 lacs—post MTR by pooling fund from savings of other training components.
- (iv) Out of the available fund, **Rs. 54.00 lacs** only has to be set aside for the foreign tour to Thailand and Vietnam comprising 16 officers, which received formal approval of the G.B in its 7th meeting, following which the Forest Dept. has already moved appropriate authority for formal clearance.

Selection of Officers:

The short listing of the officers upto APCCF level may be done by the PMU and finally ratified by the PCCF (HoFF). The short listing of the officers may be done from amongst the officers connected with the project. Officers above APCCF rank may be selected by the PCCF (HoFF) and Principal Secretary.

Based on the above submissions and the documents submitted, it is urged that the Governing Body may approve the following:-

- (a) *the foreign tours listed above, in principle;*
- (b) *the proposed expenditure pre- and post- MTR;*
- (c) *the selection procedure of officers.*

**Action Taken Report of 7th Meeting
Annexure-I**

Sl.	Issue	Resolution	Action Taken
1	Confirmation of the minutes of the 6th meeting held on 10th June, 2015	Minutes of the 6th meeting of the Governing Body stand confirmed	Minutes were confirmed by the GB
2	Discussions on the Action Taken Report on the Resolutions of the minutes of the 6th meeting held on 10th June, 2015	<p>(i) The Action Taken Report on the minutes of the 6th Governing Body meeting is accepted with the updations. The same is attached as Annexure I.</p> <p>(ii) The guidelines of TPOFA, Microplanning etc. should be published in the website of the WBFBC Project so that it could be used as a common template for all schemes including Green India Mission.</p> <p>(iii) A technical workshop on microplanning can be organised by PMU based on the guidelines of the microplanning manual, for concerned officials.</p>	<p>(i) The Action Taken Report submitted and discussed in the meeting</p> <p>(ii) TPOFA guideline have been uploaded in the websites of WBFBC Society.</p> <p>(iii) The technical workshop will be held shortly.</p>
3	Presentation of Status Report of WBFBC Project	The Status Report is accepted by the Governing Body and placed as Annexure II of the minutes	The Status Report submitted and accepted by the GB.
4	Acceptance of the Internal Auditor's Report	The Internal Audit Report for the period 1.4.2014 to 31.03.2015 is accepted by the Governing Body. The salient points as placed in Annexure III of the Agenda Notes, is reproduced as Annexure III of the minutes.	The Internal Auditor report of the period 1.4.2014 to 31.03.2015 has been accepted by the GB.
5	Acceptance of the Statutory Auditor's Report on the Accounts of the Society for the year 2014-15	<p>(i) The Statutory Audit report on the accounts of the Society for 2014-15 is accepted by the Governing Body without any modifications. The same is placed as Annexure IV of the minutes.</p> <p>(ii) The Statutory Audit report of 2014-15 may be placed in the ensuring Annual General Meeting</p>	<p>(i) No further action required.</p> <p>(ii) The audit report for 2014-15 was placed and approved by the Members in the Annual General Meeting</p>
6	Appointment of Internal Auditor for the period 01.04.2015 to 31.03.2016	<p>(i) Chartered and Cost Accountant firms only should be allowed to participate in the competitive tender.</p> <p>(ii) The selection of Internal Auditor should be for 3 years. Yearly contract agreement should be executed, which will be extendable (renewable every year) upto 3 years, based on performance.</p> <p>(iii) The evaluation of the tenders may be done on Quality cum Cost Basis (QCB) at 80:20 (technical : financial) ratio by a Committee. The Technical and Financial parameters of evaluation should be defined in the tender document and such parameters should be conforming to JICA guidelines.</p> <p>(iv) The same procedure of selection, i.e; QCBS may be adopted for appointment of Statutory Auditor also.</p>	<p>(i) The e-tender for the purpose was floated on 3.12.2015 vide NIT No. WBFBCP/NIT (12e)/2015-16 only for Chartered and Cost Accountant firms.</p> <p>(ii) The selection of Internal Auditor has been made for two F.Y (2015-16 & 2016-17) on the basis of yearly contract which can be extended every year upto 3 years, based on performance.</p> <p>(iii) The evaluation of the tenders has been done on QCBS method 80 : 20 (technical : financial)</p> <p>(iv) The same system will be followed for engaging Statutory Auditor for the Society</p>
7	Appraisal on appointment of Architect for construction of Administrative Building at Siliguri	The Committee set up by the Addl PCCF North Bengal with regard to the Administrative Building at Siliguri, will take necessary decision on the architecture / design of the proposed building	Appraisal on appointment of Architect for construction of Administrative Building at Siliguri the concept report and drawing have been approved and work order issued to the successful bidder M/s Dynamics Project Pvt. Ltd. by the Head of the Baikunthapur DMU.
8	Extension of Afforestation activities beyond 2016		

Action Taken Report of 7th Meeting

Annexure-I

Sl.	Issue	Resolution	Action Taken
(a)	Afforestation in forest areas	(i) The proposed extension of afforestation activities beyond 2016 is principally approved	(i) GB already approved the extension of Afforestation activities beyond 2016.
		(ii) The targets have to be revisited and their necessary adjustments made within the project cost including interest accrued.	(ii) The targets have been revised with necessary adjustment of project costs in the Mid-Term review which has been approved by the JICA India in principle.
(b)	Afforestation in non-forest areas (Tree Plantation Outside Forest Areas)	(i) The proposed extension of afforestation activities beyond 2016 is principally approved	(i) Same action has been taken as indicated in 8 (a).
		(ii) The targets have to be reviewed and their necessary adjustments made within the project cost including interest accrued.	(ii) -do-
9	Revision of approved FPC/EDC List	(i) The FPCs/EDC lists which have not undergone revision after the 5th GB meeting stands firmed up.	(i) Finalisation of FPC/EDC list have been done upto the Pre-MTR stage.
		(ii) The revisions of FPC lists of Bankura North, Bankura South, Panchet and Kharagpur DMUs, as proposed in Annexure V is approved and may be attached with the minutes.	(ii) The FPC lists of Bankura North, Bankura South, Panchet and Kharagpur DMU have been already circulated among the members along with the minutes
10	Tenders on six Research topics on Biodiversity Conservation	(i) The acceptance of the offered rates of the three studies by the CPD under delegated powers, as mentioned above, is endorsed.	(i) The proposal of approval for the 3 studies by the CPD was endorsed by the GB. Work order for conducting the studies in respect of the approved studies have been issued. To monitor the work of the Wildlife Research activities a proposal has sent to PCCF Wildlife and CWLW for constitution of Monitoring Committee vide this office no. 384/WBFBCP/17-1/15 dated 05.02.2016 alongwith composition and TOR of the committee.
		(ii) The adjustment of shortfall of Rs. 8,31,825/- has to be done within the Reimbursable fund under the same component of work. Funding from Non-reimbursable part for this purpose should not be done.	(ii) During the payment after the completion for the studies the shortfall of Rs. 8,31,825/- will be adjusted from the Reimbursable portion under the same component of work.
11	Tender on Socio-economic Base line Survey	(i) A composite committee, which may be designated as 'Publication Committee' may be constituted. The composite committee may deal with all such similar survey, research or studies.	To monitor the Socio-economic baseline survey work a proposal has been submitted to the PCCF (HoFF) vide this office letter no. 294/WBFBCP/22-2/13 dated 29.01.2016 alongwith composition and TOR of the committee.
		(ii) The Committee may comprise of PCCF Research, Monitoring and Development as Chairman and APCCF Monitoring and CCF Research as Members.	
		(iii) The Committee may co-opt members from PMU	
		(iv) The PMU will formally propose draft notification of the Committee, including the composition and Terms of Reference to PCCF (HoFF), who will formally notify the Committee.	
12	Approval of revised cost of extension of two floors of Aranya Bhawan.	(i) The excess cost of extension of Aranya Bhawan should be provided from the reimbursable component by adjustment of the budget of the Building component approved under the Project.	(i) Additional cost of extension of Aranya Bhawan will be provided from the Reimbursable component by adjustment of the Budget of the Building component under the Project.

Action Taken Report of 7th Meeting

Annexure-I

Sl.	Issue	Resolution	Action Taken
		(ii) The matter may be placed and sorted out in the ensuring Mid-term Review (MTR) of JICA.	(ii) The matter has been placed in the Mid-term review and has received nod in principle from JICA India?
13	Mid-term Review (MTR) of the project	(i) The issue of extension of Afforestation component upto at least 2018 should be taken up in the MTR on priority. (ii) Advance action may be taken by the PMU so that the plantation season of 2017, especially for A2 (Sal plantation in South Bengal) and A6 (Sal plantation in NB), are not missed.	(i) The extension of the Afforestation activities upto 2018 has been approved by the JICA India in principle. (ii) Action has already been initiated so as to ensure that the A2 and A6 (Sal plantation in SB and NB respectively) is achieved for the plantation season in 2017.
14	Approval of the proposed foreign training of officers	(i) Proposal received from RECOFTC including the budgeted cost of Rs. 2,84,000/- only per person is accepted in principle. (ii) Officers in the rank of Forest Ranger (Direct recruit) and above upto CCF rank should be considered for the training. (iii) The selected officers should be in some way connected with the Project and have at least 4 years of service left. (iv) Officers who have performed well and those who have not visited foreign country during the last 3 years should be given preference. (v) Cost of travel of the Team Leader of PMC, who would accompany the team(s) is approved in principle. The cost should be adjusted within the Consultancy cost.	(i) The proposal for visit to Thailand and Vietnam was approved by the GB. (ii) (iii) & (iv) Proposal containing the Names of Officers connected with the project having atleast 4 years of service left and have not visited a foreign country during the last 3 years was submitted to the forest department for formal approval of appropriate authority. (v) The cost of travel of the Team Leader of PMC will be adjusted from the consultancy cost.
15	Revision of cost for purchase of Speed boats for Sunderban Biosphere Reserve	(i) Purchase of speed boats from non-reimbursable cost is not approved. Therefore, within the budgeted cost, under reimbursable component, only one boat of approved specifications should be purchased. (ii) The specifications proposed should be ratified by the Biodiversity Conservation expert of the PMC. The specifications should not be based on any particular brand name.	(i) The proposal for purchase of 1 speed boat under reimbursable component was ratified by the Biodiversity Conservation expert for the PMC. (ii) The same has been conveyed to the Director, SBR for taking expeditious action in procuring the speed boat.
16	Extension of the contract period of the Forest Ranger in PMU	(i) Shri B. Chakraborty, may be appointed on contractual basis through a fresh contract, presently for a period of one year starting 1st November, 2015, as a special case. (ii) The extension of the contract will depend upon the quality of service he could deliver for one year.	(i) & (ii) Shri B. Chakraborty, Retd. Forest Ranger has been appointed on contractual basis through a fresh contract for a period of 1 year starting 1st November, 2015.



Annexure II

Japan International Cooperation Agency
(Government of Japan)

JICA (ID) 27-1131

Feb. 24, 2016

Office of the Project Director

West Bengal Forest and Biodiversity Conservation Project

Mr. S. Barari
Chief Project Director
West Bengal Forest and Biodiversity Conservation Project
Govt. of West Bengal
Kolkata

Reg. No. 1044

Case No. 23-1

Date. 24.02.2016

Sub: West Bengal Forest and Biodiversity Conservation Project (ID-P223)

Ref: Your letter no. 478/WBFBCP/23-1/13-15 dated Feb. 16, 2016

Dear Mr. Barari,

This is with reference to your captioned letter regarding your proposal for modifications in the project, as discussed during the Mid-Term Review mission from February 3 to 6, 2016, and the subsequent meeting held in JICA, India office on February 15, 2016.

We hereby convey our 'in principle' no-objection to your proposal. However, as for the proposed empowerment of the Chief Project Director to make minor adjustments among afforestation models (point no. 2 of Wrap up, Page 16), minor adjustments between various major components (point no. 3 of Wrap up, Page 16) and adjustments due to change in policy level decision in Government (point no. 4 of Wrap up, Page 16), kindly note that prior consultation and, if required, 'no-objection' from JICA would be necessary.

In line with the above, you are requested to submit the proposal to JICA for formal 'no-objection' through the Ministry of Environment & Forests & Climate Change, Government of India and DEA, Ministry of Finance, Government of India, after obtaining required approvals from the State Government.

We also take this opportunity to remind that the requested modifications would come into effect only after the formal 'no-objection' by JICA is provided.

Yours sincerely,

井本佐智子

Sachiko Imoto
Senior Representative

CC:

Mr. S. Selvakumar, Joint Secretary, DEA, Ministry of Finance, Govt. of India, New Delhi.
Dr. Rekha Pai, Inspector General, MOEF, Govt. of India, New Delhi.
Mr. Kotaro Tanaka, Director, SAD 1, JICA HQ, Tokyo.

Mid Term Review Proposal of West Bengal Forest and Biodiversity Conservation Project

Points discussed component wise:

1. Afforestation

- 1.1. In general: Planting year will be extended till 2018
- 1.2. QPM
- 1.3. Central Nursery
- 1.4. Afforestation in Forest land: Technical Modifications in Models & redistribution of planting areas among the models
- 1.5. Tree Plantation Outside Forest Activities: Technical Modifications in Models & Redistribution of planting areas among the models

2. Biodiversity Conservation

- 2.1. Small mammals in Central Bengal (Man-animal conflicts): Technical Modifications
- 2.2. Procurement: Technical Modifications & adjustment among items without financial implications
- 2.3. Biodiversity Research: Technical Modifications & adjustment among items without financial implications
- 2.4. Biodiversity Conservation Activities in P.A.s of North Bengal: Technical Modifications in Models & Redistribution of planting areas among the models

3. Community Development

- 3.1. Exclusion of BTR E & W, Malda & allocation of FPCs of Malda, BTR E & W (23 nos) & EDCs (26 nos) of BTR E & W, Wild life I DMUs (Mahananda PA only)

4. Institutional Capacity Development:

- 4.1. Miscellaneous management inputs: Adjustment among items without financial implications
- 4.2. Training & Capacity Building of Project Implementing Officials, Field & Office Staffs and Other Stakeholders: Adjustment among items without financial implications
- 4.3. Training & Capacity Building of Project Implementing Officials, Field & Office Staffs and Other Stakeholders: Adjustment among items without financial implications
- 4.4. Infrastructure Development for TPOF (Social Forestry), training, research, GIS, forest protection etc including Building, Equipment & Vehicle: Adjustment among items without additional financial implications/requirement

1. Afforestation

A. QPM

MOD suggests production of QPMs @ 2000 nos/ha for all afforestation models in Forest land with a per unit production cost of Rs 4 per unit (base cost, 2011). It is proposed in the MTR that for taking up afforestation works in forest land, @1800 QPMs/ha a per unit production cost of Rs 3 per unit (base cost, 2011) may be approved. The maintenance cost of 1 year of QPMs may also be reduced from @ Rs 2/unit unit (base cost, 2011) to Rs 1/unit w.e.f 2015-16. The changes recommended & reasons are tabulated below:

MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
@2000/ha	1.3.5.3 (Page 22)	@1800/ha wef 2016	Good survival of the Central Nursery QPMs has resulted in less nos of infilling, hence 1600/ha & 10% infilling per ha or 1800/ha QPM will be needed in place of @2000 QPMs originally planned per ha.
Production Cost (Base cost 2011) @Rs 4/unit	Page 137	Cost (Base cost 2011) @ Rs 3/unit wef 2015	Rs 1/unit cost reduction due to centralized management at Hi-tech nurseries. Reduction in cost is proposed as per actual cost w.e.f 2015-16
Maintenance (Base cost 2011) @ Rs 2/unit	Page 137	Maintenance (Base cost 2011) @ Rs 1/unit wef 2015	Rs 1/unit cost reduction due to centralized management at Hi-tech nurseries. Reduction in cost is proposed as per actual cost w.e.f 2015-16

B. Central Nursery

For the purpose of meeting the requirement of QPM, 20 new Modern Nurseries & Capacity expansion of 20 existing Central Nurseries, were proposed be established in the MOD by installing necessary mist chambers, raised beds with structures for shade cloth (agronets), root trainers (Hycoports) supplemented with associated civil works. As per the distribution of plantation locations in the field, 22.5 units of New Hi-tech Central Nurseries will be required & 13 nos of existing units will be required to be upgraded. Base cost for creation of new Hi-tech Central Nursery & extn of existing Central nursery has been already enhanced with approval of JICA w.e.f.2013-14. The changes recommended & reasons are tabulated below:

MOD	Page/ Para reference in MOD	RECOMMENDED	CHANGES / REMARKS
New 20 no Base cost @Rs 25,00,000	1.3.5.2.1 (Page 22), Page 137	22.5 no @ Rs 4300000 (actual at 2014-15)	2.5 additional new units will be needed. Actual cost of infrastructures (JICA approved vide JICA(1D) 25-1607 Dec 27, 2013)
Extn 20 no Base cost @Rs 7.50,000	1.3.5.2.2 (Page 22), Page 137	13 nos @ Rs 29,00,000(actual at 2014-15)	As per need 7extn of existing units will not be required. Actual cost of infrastructures(JICA approved vide JICA(1D) 25-1607 Dec 27, 2013)

C. Extension of creation of plantation beyond 2016

In the MOD, the creation of plantation was planned to be taken up in 2014, 2015 & 2016. Late establishment of Hi-tech nurseries & microplan finalization have delayed the physical activity by 2 years. It is proposed that to achieve the target specified in the project, planting year may be extended by 2 years to include 2017 & 2018 planting years.

MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
Planting year 2014,2015,2016	Page 121,122,123,131	2014,2015,2016,2017,2018	Late establishment of Hi-tech nurseries & microplan finalization, to achieve the target, planting year may be extended to 2018

D. Technical changes proposed in Afforestation models

Under the West Bengal Forest and Biodiversity Conservation (WBFBC) Project, six models - A1 through A6- have been prescribed for forest lands under Afforestation and Allied Activities. For some time past, the field officers have been coming up with proposals for review of the prescriptions of some models based on technical considerations. The PMU as well as the experts in PMC

discussed these issues with the implementing DMUs during the field visits and were convinced that some of the prescriptions need relook. Due to nature of blank /degraded area available, working circle wise, some adjustment of physical targets among the models in forest land & TPOFA (tree pltn outside forest area) has been also proposed. The technical changes proposed & adjustments of physical target have been described in the following tables, model wise.

Afforestation in Forest land: Model A2. Plantation of Sal & Associate Species in South Bengal			
MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
<p><i>Proposed Species:</i> Sal with associates-Choice of species, however, will be guided by the community preference, subject to the fulfilment of silvicultural requirements.</p> <p>Extent: 3,430 ha of degraded forest land has been proposed under this model</p> <p>Technique: This will be a mixed plantation, <i>Shorea robusta</i> being the main constituent (50%), with other natural associates. Planting interval is 2.5 x 2.5 m (1,600 plants /ha)</p> <p>Seedlings will be planted at a spacing of 2.5mx 2.5m and the species mixture will be in strips of Sal and misc. hardwood alternating In miscellaneous strips blocks of 100 sq. m. having 16 plants of the same species in each block will be planted. Each strip will comprise 4 lines. Pit size is (0.75 + 0.6) / 2 x 0.6 x 0.6 m³</p>	Page 50, Para 1.3.1.2	<p><i>Proposed Species:</i> Sal with associates-Choice of species, however, will be guided by the community preference, subject to the fulfilment of silvicultural requirements, never to exceed the maximum allowable 10 miscellaneous species in any given plantation area.</p> <p>Extent: 2,500 ha of degraded forest land has been proposed under this model</p> <p>Technique: This will be a mixed plantation, <i>Shorea robusta</i> being the main constituent with other natural associates. Sal to be planted in blocks comprising 60% area and miscellaneous spp. to be planted in blocks comprising 40% area. 1600 plants per ha at spacing 2.5 m x 2.5 m to be followed. For ease of management, no. of miscellaneous spp. in a particular plantation area to be restricted between 6 to 10 The pit dimensions should be modified as (60+45)/2 cm x 45 cm x 45 cm.</p> <p>For providing shade to Sal plants, Arhar or any local legume species should be sown on the dug up soil of the contour trenches.</p> <p>Pltn. Boundary demarcation, by planting some spp. of local bamboo, palm, khejur etc. and even sowing of Akashmoni or Babla in thick lines, should be carried out.</p>	<p>1. Reduction of 930 ha (from 3430 to 2500 ha) due to non-availability of suitable land in the selected FPCs.</p> <p>2. Change in the plantation pattern is for better Silvicultural management of the resulting crop taking due consideration of the prescriptions in approved Working Plan.</p>

Afforestation in Forest land: Model A3: Quick Growing Small Timber, Fuel and Fodder Plantation South Bengal			
MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
<p><i>Speciesproposed:</i> Miscellaneous species of economic importance like <i>Madhukalatifolia</i>, <i>Schleicheraoleosa</i>, <i>Terminaliabellerica</i>, <i>Terminalachebula</i>, <i>Pterocarpusmarsupium</i> etc and others with fast growing species producing fuel, fodder and small wood such as <i>Acacia auriculiformis</i>, <i>Eucalyptus tereticomis</i>, <i>Terminaliaarjuna</i>, <i>Anogeissuslatifolia</i>, <i>Sapindusaurifolius</i>, <i>Schleicheraoleosa</i>, <i>Buchananiaalanza</i>, <i>Azadirachtaindica</i>, <i>Phyllanthusemblica</i>, <i>Haldinacordifolia</i>, etc.</p> <p><i>Extent:</i> 6,000 ha of degraded forest land will be planted up under this model.</p> <p><i>Technique:</i> Seedlings will be planted in pits of size (0.60 m + 0.45 m) / 2 x 0.45 m x 0.45 m (refer to Figure 6-5) at a spacing of 2.5 m x 2.5 m (1,600 plants / ha). The species mixture will be in alternating strips of <i>Eucalyptus</i> and miscellaneous hardwood species. In miscellaneous strips, blocks of 100 m² having 16 plants of the same species in each block will be planted. Each strip will comprise of 4 lines.</p>	Page 52-53, Para 1.3.1.3	<p><i>Speciesproposed:</i> In addition to <i>Acacia auriculiformis</i> as main spp., miscellaneous fast growing species producing fuel, fodder and small wood such as <i>Terminaliabellerica</i>, <i>Pterocarpusmarsupium</i>, <i>Terminaliaarjuna</i>, <i>Azadirachtaindica</i>, <i>Casiasiamea</i>, <i>Holopteliaintegrefolia</i> etc. will be planted. The above list is illustrative only. Choice of species, however, will be guided by the community preference, subject to the fulfilment of silvicultural requirements, never to exceed the maximum allowable 6 misc. in any given plantation area.</p> <p><i>Extent:</i> 7300 ha of degraded forest land will be planted up under this model.</p> <p><i>Technique:</i> This will be a mixed plantation, <i>Acacia auriculiformis</i> being the main spp., with miscellaneous fast growing species, to be planted in distinct blocks. Akashmoni to be planted in blocks comprising 70% area and miscellaneous spp. to be planted in distinct blocks comprising 30% area. The blocks (<i>Acacia</i> and Miscellaneous spp) should, however, be contiguous and should not be at a different location. 1600 plants per ha at spacing 2.5 m x 2.5 m to be followed. Within the block of miscellaneous spp., pure sub-blocks of each species comprising 160 to 400 individual plants to be planted. For ease of management, no. of miscellaneous spp. in a particular plantation area should be restricted to 6. Boundary demarcation, by planting some spp. of local bamboo, palm, khejur etc. and even sowing of Akashmoni or Babla in thick lines, should be carried out. Pit dimensions should be (60+45)/2 cm x 45 cm x 45 cm.</p>	<p>1. Increase of target area by 1300 ha (from 6000 ha to 7300 ha) is to accommodate 930 ha from A2 & 370 ha from B2 due to availability of suitable land in the selected FPCs.</p> <p>2. Change in the plantation pattern is for better Silvicultural management of the resulting crop taking due consideration of the prescriptions in approved Working Plan.</p>

Afforestation in Forest land: Model A4: Enrichment of Degraded Sal Coppice Forests of South West Bengal through Coppice Regeneration

MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
Extent: 7500 ha	Para 1.3.1.4 Page 54-55	Extent: 8430 ha	930 ha from B2 has been accommodated as land is available in the selected FPCs

Afforestation in Forest land: Model A5: Miscellaneous Plantation in North Bengal as described in the MOD of WBFBC Project

MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
<p>Species: <i>Schimalallichii</i>, <i>Micheliachampaca</i>, <i>Amoorarohituka</i>, <i>Amoorawallichii</i>, <i>Gmelinaarborea</i>, <i>Cedrelatoona</i>, <i>Terminaliatomentosa</i>, <i>Terminaliamyriocarpa</i>, <i>Terminaliamyriocarpa</i>, <i>Chukrassiatubularis</i>, <i>Kajeliapinnata</i>, <i>Duabangasonneritoides</i>, <i>Cinnamomumcecidodaphneetc.</i></p> <p>Sites prone to water logging may be planted with <i>Bischofiajavanica</i>, <i>Terminaliaarjunaetc</i></p> <p>In the middle hills the principal species will include <i>Machilus spp.</i>, <i>Michelia spp.</i>, <i>Alnusnepaulensis</i>, <i>Betulaalnoides</i>, <i>Engelherdia spp.</i>, <i>Bucklandiapolupaneaetc</i></p> <p>Extent- 1050 ha of such land has been proposed for afforestation under this model.</p> <p>Technique- Endemic species as mentioned above are proposed for planting under this model. The planting area has to be cleaned thoroughly. Planting pits of size (0.60 m x 0.45m)/2 x 0.45mx0.45m will be dug at a spacing of 2.5mx2.5m (1,600 plants / ha). Soil work has to be completed by early May at the latest. 1 year + seedlings raised and tended in Central/Modern Nursery (QPM), will be planted in pits to be completed by the last week of May. The creation cost provides for 4 tending operations subsequently 3 tending operations will be done in 1st year maintenance. 2nd and 3rd year has provisions for two tendings.</p>	Para 1.3.1.5 Page 55-56	<p>Species: Not more than any 6 to 10 of the following miscellaneous species <i>Schimalallichii</i>, <i>Micheliachampaca</i>, <i>Amoorarohituka</i>, <i>Amoorawallichii</i>, <i>Gmelinaarborea</i>, <i>Cedrelatoona</i>, <i>Terminaliatomentosa</i>, <i>Terminaliamyriocarpa</i>, <i>Terminaliamyriocarpa</i>, <i>Chukrassiatubularis</i>, <i>Kajeliapinnata</i>, <i>Duabangasonneritoides</i>, <i>Cinnamomumcecidodaphneetc.</i> may be planted.</p> <p>Teak which has been prescribed in the Working Plans should be planted in few sub-blocks by stump cutting or by seedlings prepared through stump cutting in model A5 for Plain areas.</p> <p>Sites prone to water logging may be planted with <i>Bischofiajavanica</i>, <i>Terminaliaarjuna</i>, <i>Lagerstroemia flos-reginae etc.</i></p> <p>For Hill areas the selection of species should be made from the representative species of different altitudinal zones. Suitable hill areas should have appropriate species mixes instead of teak and miscellaneous species and should include as principal species <i>Machilus spp.</i>, <i>Michelia spp.</i>, <i>Alnusnepaulensis</i>, <i>Betulaalnoides</i>, <i>Engelherdia spp.</i>, <i>Rhododendron sp.</i>, <i>Katus (Castanopsisishystris)</i>, <i>Hemlock (Tsugabrunoniana)</i>, <i>Silver fir (Abiesdensa)</i>, <i>Pipli (Symingtoniapopolunea)</i> and Oaks like <i>Quercuslamellosa</i>, <i>Quercuslineata etc.</i></p> <p>Plantations in Riverine area will comprise of Khair, Sissoo, Simul and Sirish.</p> <p>The list of species is illustrative only.</p> <p>Extent- 1190 ha of such land has been proposed for afforestation under this model. (enhancement of 140 ha - 140 ha of A6 Sal & associated pltn will be adjusted against A5)</p> <p>Technique- Endemic species as mentioned above are proposed for planting under this model. The planting area has to be cleaned thoroughly. Planting pits of size (0.40 m x 0.30m)/2 x 0.30mx0.30m will be dug at a spacing of 2m x 2m (2500 plants/ha) in plains and 2.5mx2.5m (1,600 plants / ha) in hills. Soil work has to be completed by early May at the latest. For higher hills 2 year old QPM raised and tended in Central Nursery will be planted. For plains QPM generally has to be one year old however QPM of few species such as Chikrasi, Jarul etc. may be planted after raising and tending in Central Nursery for one growing season. Teak should be planted in few sub-blocks by stump cutting or by seedlings prepared through stump cutting in model A5 for Plain areas.</p> <p>Block size should be 20 x 40 m for each species. Each block should be planted with only one species. However, in each plantation area not more than 10 species should be planted.</p> <p>Species like Champ, Gamar and Bahera should be scattered uniformly over whole area (10 m apart) and should not be planted in block.</p> <p>Khair, Sissoo, Simul, Sirish combine should be planted under model A5 in riverine areas in Plains, where Khair seed sawing from Quality seed source combined with Stump cutting of Sisso along with QPMs of other associate species raised in raised bed polypots with improved potting media will be used.</p>	<p>1. Increase of target area of 140 ha (from 1050 ha to 1190 ha) is to accommodate 140 ha of A6 Sal & associated pltn due to availability of suitable land in the selected FPCs.</p> <p>2. Change in the plantation pattern is for better Silvicultural management of the resulting crop taking due consideration of the prescriptions in approved Working Plan as explained below:</p> <ol style="list-style-type: none"> Species restricted to max. 6-10 and selected according altitudinal zones Sites prone to water logging may be planted with <i>Bischofiajavanica</i>, <i>Terminaliaarjuna</i>, <i>Lagerstroemia flos-reginae</i>. In addition, species like <i>Barringtonia acutangula</i> may be considered for swampy areas. Teak included as few sub-blocks in plains For Riverine plantation, Khair, Sissoo, Simul, Sirish etc. combine should be planted under model A5 in riverine areas in Plains. Khair seed sowing from Quality seed source combined with Stump cutting of Sisso along with QPMs of other associate species nurtured in raised bed polypots with improved potting media in localized nursery, will be used as the land is not accessible 8 months of a year.

Afforestation in Forest land: Model A6: Sal & associate plantation in NB

MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
Extent: 540 ha	Para 1.3.1.6 Page 56	Extent: 400 ha	Land under Sal & associate species management in N.Bengal is limited, availability of area is dependent on extent of felling. Sufficient area is not available to take up 540 ha plantation. 140 ha from A6 has been accommodated in A5 areas to meet the physical target of afforestation component as explained above

Component 1B: Tree Plantation Outside Forest Area (TPOFA) (Social Forestry)

MOD	Page/ Para reference in MOD	RECOMMENDED	REASONS
Extent: 2800 ha B1 Strip Plantation over 1400 ha & B2 Block plantation over 1400 ha	Para 1.3.2 Page 58-59	Extent: 1500 ha B1 Strip Plantation over 1400 ha & B2 Block plantation over 100 ha	Due to non-availability of land in non-forest area (Govt. land), B2 Block plantation has been proposed to be reduced by 1300 ha. The target has been adjusted against A3 & A4 as described earlier.

Abstract:

Model	Physical as per MOD	Physical as proposed in MTR	Difference (MTR-MOD)
A1	450	450	-
A2	3,430	2,500	-930
A3	6,000	7,300	1,300
A4	7,500	8,430	930
A5	1,050	1,190	140
A6	540	400	-140
B1	1,400	1,400	-
B2	1,400	100	-1,300
Total	21770	21,770	0.00

2. Biodiversity Conservation

The changes proposed in MOD under the Biodiversity Conservation section is stated in a tabular form below.

1 Small mammals in Central Bengal (Man-animal conflicts)					
	MoD provision	Page/ Para reference in MOD	Amendment proposed by PMU	Reason	Budget implication s/Remarks
1a	Contracting NGO/HWW				
	The MoD provides for the contracting of an NGO/Honourary Wildlife Warden (HWW) in each of the 6 Divisions to serve as the focal point to address incidents of human-wildlife conflicts, with an yearly allocation of 100,000 for each of the six Divisions for 5 years totaling Rs.30,00,000 .	(Section 1.4.2.4 of the MoD, Page 73 and Table 2.B4, Page 140)	NGO or Honorary Wildlife Warden cannot be contracted for this task as explained in the next column. It is proposed that the concerned DFOs themselves will do this, with the assistance of JFMCs wherever they are present, and hence to allocate this fund to the respective DFOs.	At a joint meeting of the PMU with the Wildlife Wing held on 20.1.2014 the latter has clarified that this provision cannot be implemented as it is inconsistent with the Wildlife Protection Act. All the animals involved in conflict are listed in the Schedules to the Wildlife Protection Act 1972 (WLPA) and the statutory powers vested with the Chief Wildlife Warden in regard to the capture, handling or driving away of wild animals cannot be delegated to NGOs or other organisations but only to officials within the Forest Department (Section 5.2 of WLPA). Section 1.4.2.4 of the MoD Attachment 3 makes an 'either or' mention of NGO or HWW. HWWs are appointed as per Section 4.bb of WLPA; however, this is an entirely voluntary position, and according to the MoEF Guidelines for the appointment of HWW, the position is for one year, though re-appointment is possible, and no staff or vehicles can be provided to HWW. They cannot be contracted for such an assignment either. It may be noted that the HWW is only an individual person and he/she is not entitled to have any institutional support, he can only inform the forest officials in situations like human-animal conflicts.	Has no budget implication
1b	Division instead of District				
	There is inconsistency in regard to the administrative divisions referred to in the table - Forest Division and District are used interchangeably. Table no 20 of the MoD mentions the names of Forest Divisions as follows: Kolkata (HQs), Howrah (SF), Nadia-Murshidabad Division, Burdwan Division and 24 Parganas-N Division, but Table 2.B of MoD attachment refers to districts.	(Section 1.4.2.4 of the MoD, Page 73 and Table 2.B4, Page 140)	It is proposed to use the Forest Divisions of Central Bengal instead of District as the administrative division.	This is for removing the confusion and for administrative ease. This will of course cover the intended areas in the concerned districts.	No budget implication
	MoD provision	Page/ Para reference in MOD	Amendment proposed by PMU	Reason	Budget implication s/Remarks
1c.	The 6th Division				
	The MoD Attachment gives names of only 5	(Section	It is proposed to add the following Forest Divisions: Durgapur,	The human-wildlife conflict issues are equally important in all these central Bengal Divisions and therefore expanded	No budget implication

Divisions, in table 20, quoted above but the budget provision is provided for 6 Divisions in Table 2.B (treatment chamber only for 5 Divisions).	1.4.2.4 of the MoD, Page 73 and Table 2.B4, Page 140)	Raigaunj, Malda & Birbhum. With this addition, the Divisions for undertaking this activity are as follows: Kolkata (HQs), Howrah (SF), Nadia-Murshidabad Division, Burdwan Division, Birbhum Division, Raigaunj Division, Malda Division. and Durgapur Division	to two more Divisions, now totaling 8 Divisions, on the same budget.	
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1d Treatment chamber etc

Treatment chamber, post mortem room and quarantine in 5 Divisions : Rs 15,00,000 (Base cost 2011)	(Section 1.4.2.4 of the MoD, Page 73 and Table 2.B4, Page 140)	<ol style="list-style-type: none"> No need for this provision in these Divisions now. Procurement of additional medium sized-Trap cages 16 nos @50,000 (Base cost 2011) 1 nos Watch tower in P.A.s @ 7,00,000 per unit in one P.A. of NB 	<p>As per field actual field conditions & as suggested by PCCF WL. The treatment chamber is no longer required in these Divisions, the currently existing provisions can be used with the addition of the veterinary assistance as provided.</p> <p>However, there is a need for more number of medium sized trap- cages, the MoD provision is only for a total of 18 pieces.</p> <p>Watch-tower of standard size that costs Rs 7,00,000 (Base cost 2011) is a priority in North Bengal at Jaldapara P.A.</p>	No budget implications as the cages and watch tower are to be procured/constructed with the saved budget of the cancelled item
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2. Speedboat for Sundarbans TR

MoD provision	Page/ Para reference in MOD	Amendment proposed by PMU	Reason	Budget implications/Remarks
The MoD, under Man-Animal Conflict, provides for the purchase of 2 speedboats for Sundarban with a total budget of Rs 30,00,000 (Base cost 2011). The MoD does not provide boat/engine specifications.	Section 2.B3, Page 140	<p>To procure one speedboat with 21 ft hull, 150 Hp engine, with a speed of 25 knots, and can carry upto a max of 10-12 people under this head @Rs 30,00,000</p> <p>1 nos Speed boat for STR will be procured from balance fund in Biodiversity Research</p>	<p>The need for good quality speedboat was identified in the MoD, but since the specifications were not addressed, the unit cost was under-priced. Therefore the budget allocation under this is used for buying one speed boat of good quality. The Governing Body has also approved the same.</p> <p>One more number of good quality Speed boat for STR will be procured from balance fund under the Biodiversity Research item.</p>	<p>Procurement of one no. of speedboat within the provided budget</p> <p>1 nos Speed boat for STR will be procured from balance fund in Biodiversity Research as discussed below under the section 1.4.3</p>

3 Vehicle with cage

MoD provided for a 'vehicle with remodeling the body and cage for transporting animals' under 2.B1.b, one set at the cost of Rs 28 lakhs (Base cost 2011).	Section 2.B1.b, Page 140)	Proposes to cancel this and use the money for the purchase of 4/5 wildlife tracking vehicles, one each for four/five Divisions having issues of wildlife depredations. The allotment of vehicles will be decided by the PMU as per the need of Wildlife Management.	This is no longer needed, as there are other options available. The cost-effective factor is also not desirable. As for the purchase of wildlife tracking vehicles, there is an acute shortage of such vehicles in the Divisions.	Rs 33.36 lakhs (2013 value) saved which can be used for the procurement of 4/5 nos. of wildlife tracking vehicles in four/five Divisions having issues of wildlife depredations. No additional budget implications
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4. Biodiversity Research

MODTopics		Page/ Para in MOD	Topics as revised	REASONS	BUDGET IMPLICATION
		Section n 1.4.3, Page 75, Table in Annex 3 Page 95-99, Table 2C, Page 141	1. Ecology of Gaur (<i>Bos gaurus</i>) in North Bengal including population dynamics, distribution, habitat use pattern, protected area wise carrying capacity estimation and human-Gaur conflict-3 yr	a) The butterfly study was removed as did not have a direct conservation management purpose, as recommended by the Wildlife Wing. Besides, there were also some academic studies being done on the subject by others.	There is balance about Rs 69.7 lakhs including contingency of this head. (Butterfly research)
1	Inventory and status survey for butterflies in the North Bengal- 3 yrs		2. Leopard (<i>Panthera pardus</i>) ecology in North Bengal including population estimation, population dynamics, distribution, habitat use pattern and human-Leopard conflicts.-2yr		For Ecology Elephant (<i>Elephas maximus</i>) North Bengal an additional amount of F 8.31 lakh will be needed.
2	Status survey (population, distribution and habitat) of gaur and leopard in North Bengal foot hills-4 yrs		3. Population dynamics, distribution, breeding behaviour, and predator-prey relationship of Tiger (<i>Panthera tigris</i>) in North Bengal.- 2 yr		
3	Population dynamics, actual niche, distribution, and seasonal variability (including DNA fingerprinting and gene mapping) of tigers in North Bengal-4 yr		4. The impact of habitat management practices, especially canopy manipulation and grassland restoration, on the habitat use pattern of herbivores and the herbivores-carrying capacity in Jaldapara, Gorumara and Mahananda Wildlife PAs - 3 yr.		Balance amount (F 61.45 lakh) will be utilized to procure 1 no Speed boat for STR (Rs 3 lakh) & 3 no Watch Tower & P.A.s in NB (Rs 10 lakh) 2015 cost (R 31.45 lakh Table 2B)
			5. Ecology of Elephant (<i>Elephas maximus</i>) in North Bengal including population dynamics, migratory pattern, feeding habits and human-Elephant conflicts including Elephant-railway collisions.- 4 yr		
			6. Ecology of Elephant (<i>Elephas maximus</i>) in South-West Bengal including population dynamics, migratory pattern, feeding habits and human-Elephant conflicts.-4 yr	b) Leopard and Gaur studies were separated as one team cannot handle the two significantly different topics.	
4	Impact of canopy manipulation and grassland restoration on habitat utilization pattern & carrying capacity of herbivores in Jaldapara, Gorumara and Mahananda Wildlife Sanctuaries-5 yr		Total	c) The elephant study was separated into two, namely North Bengal and South, as it would be difficult for one team to carry out the study in both the locations at the same time.	
5	Population dynamics, movement pattern and habitat utilization of elephants in North Bengal and South West Bengal-4 yr			d) The area of study covered by the Elephants in North Bengal is far larger than the area in Southwest Bengal and hence an addition of Rs 8.31 is provided to this study.	
	Total				
	Total including escalation				

	MoD provision	Page/ Para reference in MOD	Amendment by PMU proposed	Reason	Budget implications/Remarks
5	Grassland re-creation in Buxa TR				
	The MoD provides for 100 ha grassland development in Buxa Tiger Reserve, besides Gorumara NP- 40 ha and Jaldapara NP- 60 ha	1.4.1.1, Page 70	It is proposed to exclude Buxa TR and re-allocate the 100 ha as follows: Jaldapara NP: 80 ha Gorumara NP: 20 ha	Buxa is a priority area for funding from the central govt, therefore its need for funds under the project is not there. More potential planting areas are available in the Jaldapara & Gorumara PAs where the 100 ha is re-allocated.	No budget implications
6	Bamboo Under Planting in Mahananda				
		1.4.1.1, Page 70	It is proposed to exclude this activity and re-allocate the 60 ha Grassland creation at Jaldapara NP	Bamboo under plantation in Mahananda WS is subject to approval from Regional CCF, GOI & placement of additional fund from other sources for canopy opening. Hence this activity may be taken up later in a following project or under State Plan where placement of fund for canopy opening is clubbed together with plantation creation works.	No budget implications
7	Watch towers				
	MoD provides for 5 watch towers under 'Elephant/Gaur in North and South Bengal' and for another 5 watch towers under 'Driving off operation in the south-west' (Table 2.B) with a budget of Rs 1.3 lakh per unit.	Table 2B Page 140 Table 2C Page 141	<p>1. The MoD does not provide specifications for the watch tower. It is proposed to construct 2 nos watch tower in North Bengal may cost Rs 6,50,000 (Base cost 2011), using the total budget allocation for watch towers.</p> <p>2. 3 nos Watch Towers at P.A.s in NB @ Rs 10 lakh at 2015 cost has been proposed under savings from Biodiversity Research (Rs 31.45 lakh).</p> <p>3. 1 nos Watch tower in P.A.s in NB @ 7,00,000 per unit (2011 base cost) has been proposed under savings from Small mammals in Central Bengal (Man-animal conflicts)</p> <p>Thus, in total, 6 nos of Watch Towers are proposed to be constructed in P.A.s in North Bengal in place of 10 nos proposed in MOD.</p>	<p>1. At the MoD budget only wooden watch towers can be made, which is usually damaged by the Elephant, hence cement concrete structure would be needed.</p> <p>2. The Wildlife Wing shall provide the staff for manning the watch towers.</p>	<p>Instead of 10 units at the unit cost of Rs 1.30 lakh:</p> <p>* 1. 2 units at Rs 6,50,000 /unit (Base cost 2011) can be constructed within the allocated budget and escalation cost.</p> <p>2. 3 units @ Rs 10 lakhs (2014 -15) cost saved from the Biodiversity Research component. (Sec 1.4.3)</p> <p>3. 1 unit @ Rs 7,00,000, (Base cost 2011) saved from Small mammals item (Section 1.4.2.4)</p> <p>Only readjusting the biodiversity budget, no extra allocation needed</p>

3. Community Development

Exclusion of BTR E & W, Malda & allocation of FPCs of Malda (5 no) , BTR E & W (20 nos) & EDCs (23 nos) of BTR E & W, Wild life I DMUs (3 no, Mahanada PA only) has been proposed in the MTR so that the physical target of 600 FPC/EDCs & targets for all components under the project can be achieved.

The Chief Project Director may be authorized to make small corrections in the distribution of FPCs & EDCs before the Microplans are finalized.

MOD	Page / Para reference in MOD	RECOMMENDED	REASONS
550 FPCs & 50 EDCs	Para 1.5.2, read with attachment 10	<ol style="list-style-type: none"> 1. 576 FPCs & 24 EDCs 2. Exclusion of BTR E & W, Malda 3. Exclusion of Mahanada PA & 3 EDCs under it 4. Allocation of FPCs of Malda , BTR E & W (25 nos) & EDCs (26 nos) of BTR E & W, Wild life I DMUs (Mahanada PA only) to zones /DMUs where area is available to take-up project activities. 5. 41 FPCs in South Bengal (26 EDCs & 15 FPCs out of 25 FPCs as shown above) and 10 FPCs in North Bengal (out of 25 FPCs as shown above) will be selected afresh to accommodate this change. 	<p>BTR (E&W), Malda & Mahanada PA will not be a part of the project due to management issues.</p> <ol style="list-style-type: none"> I. DMUs in SW Bengal will need additional FPCs to adjust 1300 ha additional area to be taken up under A3 Model & 930 ha of A4 Model in SW Bengal as proposed under MTR proposals under afforestation component. II. Grass land & fodder pltn creation target of BTR E & W (100 ha) and Bamboo underplanting under Biodiversity Conservation at Mahanada PA (60ha), have been reallocated to selected EDCs at Jaldapara & Garumara P.A.s. III. As the area available for Grass land fodder cultivation is limited within EDCs already selected due to Eco-locations of these EDCs, no additional EDCs will be taken up for this component under Biodiversity Conservation. IV. DMUs in North Bengal will need additional FPCs to adjust additional plantation target under A5 & A6 models of afforestation under the project which becomes available after surrender of BTR E&W and Malda.

4. Institutional Capacity Development

A Miscellaneous management inputs

As per actual need, Incremental staff DMU (Skilled) on contractual basis is calculated to be 550 man years in place of 200 man years to keep provisions for all 36 DMUs. Similarly Incremental staff DMU (Semi-Skilled) on contractual basis is calculated to be 250 man years in place of 100 man years to keep provisions for all 36 DMUs. There will be an additional Incremental staff requirement at PMU level also as shown below as per actual requirement. Provision for Nursery Workers has been also proposed to manage the central nurseries created under the project.

MOD	Para/ Page in MOD	RECOMMENDED	REASONS
Incremental staff DMU (Skilled) on contractual basis:- man yr 200	Para 1.6.3.4, Page 88-89 Page-147	Incremental staff DMU (Skilled) on contractual basis:- 550 man yr	Incremental staff DMU (Skilled) on contractual basis:- 350 man yr . calculated as per actual requirements
Incremental staff DMU (Semi-Skilled) on contractual basis:- man yr 100		Incremental staff DMU (Semi-Skilled) on contractual basis:- 250 man yr	Incremental staff DMU (Semi-Skilled) on contractual basis:- 150 man yr calculated as per actual requirements
Incremental staff PMU (Skilled) on contractual basis:- 32 man yr		Incremental staff PMU (Skilled) on contractual basis:- 59 man yr	Incremental staff PMU (Skilled) on contractual basis:- 27 man yr calculated as per actual requirements
Incremental staff PMU (Semi Skilled) on contractual basis:- 16 man yr		Incremental staff PMU (Semi Skilled) on contractual basis:- 31 man yr	Incremental staff PMU (Semi Skilled) on contractual basis:- 15 man yr calculated as per actual requirements
		Nursery Worker:- 200 man yr	Nursery Worker:- 200 man yr calculated as per actual requirements

Additional budgetary provision for the above to be adjusted against savings from Package-IV for Frontline staff and FPC/EDC/SHG (Rs1,40,00,000) as proposed below in the relevant section

B Training & Capacity Building of Project Implementing Officials, Field & Office Staffs and Other Stakeholders

MOD	Para/ Page in MOD	RECOMMENDED	REASONS
Training in Foreign Institutes: 30 heads for Senior level officers	Annex 5, page 102; page 147	Training in Foreign Institutes: 60 heads for Senior, Middle & Junior officers (upto Range Officer)	Training in Foreign Institutes: 30 heads (savings under price escalation under other training components, about Rs 32 lakhs, will be pooled in to accommodate additional heads).
Frontline staff and JFMC / EDC / SHGs: 60,000 numbers (50 numbers X 1200 times): Rs 3,60,00,000 (At base cost 2011)	Annex 5, page 103; page 147	Frontline staff and JFMC/EDC/SHGs: 60,000 numbers (50 numbers X 1200 times): Rs 2,20,00,000 (Cost reduction by Rs 1,40,00,000) (At base cost 2011)	As we are using the available infrastructures of the Forest Directorate & other Line Deptt., the actual cost being incurred is much less. Saving (Rs 1, 40, 000, 00) (At base cost 2011) will be adjusted against the additional fund required under Miscell. Management Inputs at PMU/DMU level as mentioned in the relevant section.

C Infrastructure Development for TPOF (Social Forestry), training, research, GIS, forest protection etc including Building, Equipment & Vehicle

i. Vehicle

MOD	Para/ Page in MOD	RECOMMENDED	REASONS
Purchase of vehicles including motorbikes for better mobility of staff and officers: Rs 1,87,50,600 at 2013 cost (10 Touring Vehicles, 100 Motor Cycles) inclusive of price escalation & contingency	a) Page 148 (Procurement of Vehicle)	Purchase of vehicles including motorbikes for better mobility of staff and officer 50 -55 nos of Motor cycles & 5/6 no of touring vehicles from the savings made under the head.	12 Vehicle & 100 Motor cycles have been procured at Rs. 1,25,14,000 out of the total allotment of Rs 1,87,50,000. Thus, the savings in the same component: Rs 62,36,000. This has been proposed to be utilized for the same purpose. The proposal has no additional budgetary implications & has been approved by the HPC chaired by the chief secretary of WB. No additional budgetary implications

Project components original & proposed in MTR –component wise:

Items	Original	Proposed
Afforestation (Total 21770 ha)	<u>Afforestation in recorded forest area(18970 ha)</u>	20270 ha
	A1: Plantation of High Yielding Eucalyptus hybrid clones : 450 ha	No Change (450 ha)
	A2: Plantation of sal and associates in South Bengal : 3430 ha.	2500 ha
	A3: Plantation of quick growing small timber fuel and fodder species : 6000 ha	7300 ha
	A4: Enrichment of Degraded forests through coppice regeneration : 7500 ha	8430 ha
	A5: Economic plantation of miscellaneous tree species in North Bengal : 1050 ha	1190 ha
	A6: Plantation of Sal and Associate species in North Bengal : 540 ha	400 ha
	<u>Tree Plantation Outside Forest (2800 ha)</u>	1500 ha
	B1: Strip Plantation : 1400 ha	No Change (1400 ha)
	B2: Block plantation in non-forest land : 1400 ha	100 ha
Biodiversity Conservation	<u>Habitat Management (335 ha)</u>	No Change (335 ha)
	-Grassland restoration and fodder tree planting in Gorumara National Park, Jaldapara Wildlife Sanctuary and Buxa Tiger Reserve : 200 ha	260 ha Exclusion of BTR
	-Bamboo under planting in Mahananda WS : 60 ha	Will not be taken up
	-Fodder tree planting after removal of Maling bamboo in Singhalila NP, Senchal WS, Neora valley NP : 75 ha	No Change
	<u>Man-animal conflict mitigation</u>	
	-Erection and replacement of electric fencing for elephant and gaur in North Bengal : 70 km	No Change
	-Erection and replacement of nylon net fence for tiger conflict in Sunderbans : 36 km	No Change
	<u>Research activities:</u>	
	Research programmes	No Change
Community Mobilization	<u>Meeting</u>	
	Selection of 550 JFMCs and 50 EDCs	576 FPCs & 24 EDCs
	<u>Micro planning</u>	
	Micro planning : 600 numbers	No Change

	<u>Community Development Infrastructure</u>	
	Community Development Infrastructure : 550 JFMCs and 50 EDCs	576 FPCs & 24 EDCs
	<u>Income generation activities</u>	
	Formation and selection of SHGs : 2-5 SHGs per JFMC/EDC	No Change
	Orientating and building capacity of SHGs	No Change
	Income generation activities	No Change
Institutional Capacity Development	<u>Capacity Building</u>	
	Training to Forest Department Staff	No Change
	Training to JFMCs/EDCs members	No Change
	Research Activities	No Change
	Monitoring and Evaluation	No Change
	Augmentation of office facilities & equipment	No Change
Consulting Services	International : 42 M/M	No Change
	Local : 121 M/M	No Change
	Supporting staff : 166 M/M	No Change

Wrap up

1. The Mid Term Review proposals of West Bengal Forest and Biodiversity Conservation Project are presented in a tabular form, component wise. All the modifications have been proposed to be adjusted both physically & financially within the major components.
2. It is proposed that the Chief Project Director may be empowered to make minor adjustments within the components without any additional financial implication. For example, minor adjustments among afforestation models may be allowed to be decided by the CPD within Budget /Component so that the Physical target of afforestation can be achieved. Similarly, the Chief Project Director may be authorized to make minor corrections/adjustments in the distribution of FPCs & EDCs before the Microplans are finalized, so that Community Development activities can be taken up in those FPCs/EDCs on a priority basis. Minor adjustments in Capacity Building component may also be allowed to be decided by the CPD within Budget /Component to made local adjustments.
3. It is also proposed that the Chief Project Director may be empowered to make minor adjustments between various major components, provided there is no additional financial implication on the project cost. However, in such case ratification of Governing Body would be necessary.
4. Also adjustments required to be done due to changes in policy level decision in Government will be subsequently ratified in the GB of the West Bengal Forest & Biodiversity Conservation Society.



SOUTHERN AFRICAN WILDLIFE COLLEGE

Registered as a Non-Profit Company of the Companies Act of 2008
Registration Number 1996/005726/08, 046-675-NPO, 930016093-PBO

11/01/2016

To whom this letter may be of concern

Dear Sir/ Mam

SAWC is pleased to invite a team of forest officials from West Bengal Forest Department working for JICA funded "West Bengal Forest and Biodiversity Conservation Project" for a customized training programme on issues related to Wildlife and Park Management. The programme will be over a period of 2 weeks with current and relevant topic presented by experts in the various fields. Subjects would include talk and lectures on current anti-poaching strategies, Herbivore Management in SA with emphasis of Elephant Management, Endangered Species Rehabilitation, Wildlife Damage Control and Wildlife Fencing, Community Wildlife Conflict and Interactions, Veterinary Research and Transboundary Disease Management, Game Capture Facilities in Kruger National Park, Game Census and management of Kruger National Park, Eco Tourism and Conservation Management, Integrated Fire management etc.

If you require more information about our organization, this training programme, or feedback on the programme afterwards, please contact us by email marvdw@sawc.org.za (Marilize van der Walt). Our office address is: Springvalley Farm 200 KU, On R351 to Orpen Road, Kempiana Nature Reserve, Hoedspruit, 1380, South Africa.

Thank you,

Ms. Marilize van der Walt

Senior Coordinator/ Advisor

Southern African Wildlife College

Directors: Dr. I.B. Mkhize (Chairman), Mr. I. Goodwin, Countess. S. Labia, Mrs. L.M. Lynch, Mr. M. Mnisi,
Mr. O.E. Mokganedi, Mr. W. Myburgh, Dr. G. Raven, Prof. B.K. Reilly, Dr. B. Soto (Mozambique), Mrs. T. Sowry,

Private Bag 20015, Hoedspruit 1380, South Africa Telephone: +27 (0)53 793 7300 Fax: +27 (0)53 793 7311 e-mail: info@sawc.org.za www.wildlifecollege.org.za



Training on Wildlife & Protected Area Management Issues

Southern African Wildlife College, South Africa

Learning Objective

To gain understanding and exposure to management approaches, strategies as well as best practices, models and tools for wildlife, game and park management leading to enhanced capacity of trainees for wildlife and PA management

Proposed Duration of visit:	16 days including travel time
Proposed time of visit:	05 – 20 September 2016
Proposed No. of Participants:	16 participants
Visiting Team members:	To be decided by PMU
Total proposed budget:	INR 34 lakh
Host / Training Institution:	Southern African Wildlife College, South Africa
Contact Persons:	Ms. Marelize van der Walt, Southern African Wildlife College; Tel: +27 (0) 15 793 7300, email: marvdw@sawc.org.za
Proposed Travel Route:	Kolkata –Johannesburg – Hoedspruit – Johannesburg -- Kolkata

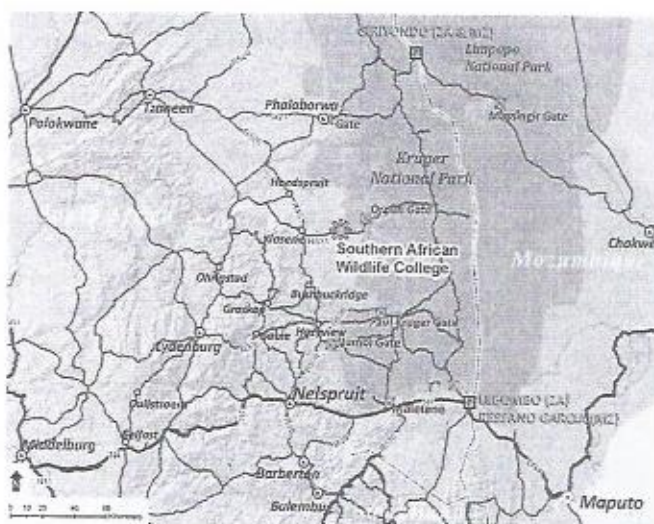


Note on Training Institution

Southern African Wildlife College (SAWC)

Springvalley Farm 200KU, Kempiana Nature Reserve, Hoedspruit, South Africa

The Southern African Wildlife College (SAWC) was established by the World Wide Fund for Nature, South Africa (WWF South Africa) in close cooperation with Southern African Development Community (SADC) and other conservation organizations. The SAWC aims through cutting edge, hands-on training programmes, to produce highly competent and motivated protected area managers and conservationists that are able to manage and conserve their protected areas and associated fauna and flora on a sustainable basis within the stated conservation objectives and in cooperation with local communities. Since its inception in 1996, the College has trained over 12,000 people from 46 countries in natural resource management and conservation practices. Through conservation education, training and skills development, SAWC seeks to give protected area managers the skills they need to become partners in saving the natural heritage. All training provided by SAWC comprises theory as well as practical skills and has been developed in close collaboration with conservation agencies and, where relevant, community participation.



The SAWC is situated in a natural lowveld environment, 10km west of the Orpen Gate of the Kruger National Park in the Limpopo Province. It forms part of a contractual park with the Kruger National Park. The Kruger National Park in turn forms part of the Greater Limpopo Transfrontier Park (GLTP). The College location allows access to a diversity of land use types from national, provincial and private reserves, community owned agricultural land and local community trust areas. As such, the SAWC offers a myriad of on- site training opportunities, which can empower and inspire people to manage and conserve biologically diverse

areas. The College boasts an impressive campus and has accommodation and catering facilities on site. The College also has traversing rights within the contractual national park within which it is located.

The training programmes offered by the College cover the full spectrum of skills needed by field staff and managers of protected areas. The training combines action with reflection. The courses offered are characterized by a hands-on, practical and highly participatory approach, which is complemented by group discussions and lecture sessions. This training perspective encourages mentors and students alike to embrace different ways of learning. Training interventions generally evolve around the diverse practical field experiences of both trainers and students. This allows students to apply knowledge to their workplace, thereby not only benefiting themselves but also their individual organisations and their local communities.



More information can be found at <http://www.wildlifecollege.org.za/index.php>

Proposed Training Schedule & Itinerary:

Days	Date	Activities	Venue & Notes
1	06-Sep	Travel Day - Arrive in South Africa	Night Stay at JHB optional depending on when the flight reaches Jo'burg
2	07-Sep	Breakfast in SAWC Dining Hall	
	08:00-12:30	AM Welcome at SAWC, Induction;	
		Lunch in SAWC Dining Hall	
	14:00-16:30	PM Introduction to SAWC as a SADC training institution	
		Dinner in Bush Pub - Traditional SA Braai	
3	08-Sep	Breakfast in SAWC Dining Hall	
	08:00-12:30	Talks Anti-Poaching	SAWC
		Lunch in SAWC Dining Hall	
	14:00-16:30	Talks Anti-Poaching	SAWC
	16:30 - 18:30	Sunset Game Drive	SAWC
		Dinner in the Dining hall	
4	09-Sep	Breakfast in SAWC Dining Hall	
	08:00-12:30	Herbivore Management in South Africa with special focus on Elephant Management	SAWC
		Lunch in SAWC Dining Hall	
	14:00-16:30	Herbivore Management in South Africa with special focus on Elephant Management	SAWC
		Dinner in Bush Pub - Traditional SA Braai	
5	10-Sep	Breakfast in SAWC Dining Hall	
SAT	08:00-12:30	AM Moholoholo Rehabilitation Centre	Moholoholo
		Lunch at Moholoholo Yamathi / Blyde Clubhouse	
	14:00-16:30	PM Swadini Dam Boat Trip - Blyde River Canyon	Blyde River Canyon
		Dinner in Bush Pub	
6	11-Sep	Breakfast in SAWC Dining Hall	
SUN	08:00-12:30	AM Hoedspruit Endangered Species Centre	HESC
		Lunch at Sleepers Hoedspruit / Kalimambo	

		14:00-16:30	Rest Time	SAWC	
		16:30 - 18:30	Sunset Game Drive	SAWC	
			Dinner in SAWC Dining Hall		
			Breakfast in SAWC Dining Hall		
7	12-Sep	08:00-12:30	AM Community Wildlife Conflict and Interactions	SAWC	
MON			Lunch in SAWC Dining Hall		
			PM Wildlife Damage Control & Wildlife Electric Fencing	SAWC	
		14:00-16:30	Dinner in Bush Pub - Traditional SA Braai		
			Guided Walk - 8 Pax		
8	13-Sep	05:30-08:00	Breakfast in SAWC Dining Hall		
TEU		8:00	AM Veterinary Research & Transboundary Disease Management	SAWC	
		09:30-12:30	Lunch in SAWC Dining Hall		
		14:00 - 16:30	PM Continue morning discussions		
			Dinner in SAWC Dining Hall		
			Breakfast Packs on Bus		
9	14-Sep	5:00	Depart for Skukuza via Satara		
WED			Game Viewing to Skukuza with guide		
		12:00-13:00	Skukuza Game Capture Bomas Tour	Skukuza Kruger National Park	
			Packed Lunch at Skukuza		
		14:30-15:30	Game Cencuses / Management of National SANParks	Topic would depend on who is available to facilitate this particular talk at the time from SANPark Scientific Services	
		15:30	Depart for SAWC		
			Dinner in SAWC Dining Hall		
			Guided Walk - 8 Pax		
			Breakfast in SAWC Dining Hall		
10	15-Sep	09:00-12:30	Eco-Tourism and Management		
THU			Lunch in SAWC Dining Hall		
		14:00-16:30	Tourism & Conservation		
			Dinner in Bush Pub - Traditional SA Braai		
			Guided Walk - 4 Pax		

11	16-Sep		Breakfast in SAWC Dining Hall	
FRI		08:00-12:30	Introduction to Fire Management	
			Lunch in SAWC Dining Hall	
		14:00-16:30	Community Based Integrate Fire Management	
			Dinner in Bush Pub - Traditional SA Braai	
12	17-Sep	7:00	Depart for Graskop	
SAT			Breakfast at Harry's Pancakes	
			Tour of God's Window Panorana, Burkes Luck etc	
			Lunch Packs at Burkes Luck	
			Depart for SAWC	
			Dinner in SAWC Dining Hall	
13	18-Sep		Breakfast Packs on Bus	
SUN		5:00	Depart for Letaba via Satara	
			Lunch at Letaba	
			Visit Letaba Elephant Museum	
			Depart for SAWC	
			Farewell Dinner in Bushpub	Roots of Rythm Tribal Dancer
14	19-Sep		Breakfast in SAWC Dining Hall	
			Travel Day - Depart SAWC for late flight JHB	
15	20-Sep		Fly to Kolkata	Overnight stay in JHB

Proposed Budget for International training on Wildlife Management Issues (16 Pax)

Cost Item	Unit Cost (USD)	No. of Units	Amount (SAR)	Amount (USD)	Amount (INR)	Remarks
Travel Cost (International & domestic flight)						
<i>Kolkata to Johannesburg & return</i>	1250	16		20000	1370000	May change according to season & time of booking or airline; Kolkata to Johannesburg via Dubai by Emirates, as on 11/12/2015 on makemytrip.com
<i>Johannesburg to Hoedspruit</i>	175	16		2800	191800	May change according to season & time of booking; SA Express, rate as on 11/12/2015 One way, from Johannesburg to Hoedspruit
Local Transport			46549	2821	193249	To be arranged by SAWC, includes pickup from airport
Accommodation						
<i>SAWC & field</i>		16	55184	3344	229097	13 nights, double occupancy tents or rooms
<i>Johannesburg</i>		16	31350	1900	130150	2 nights, in double occupancy rooms
Food			62080	3762	257726	
<i>Per Diem</i>	75	16		5280	361680	2 days @ 80%; 14 days 20% per diem; the per diem rate as applicable to senior officers has been assumed
Lecture & events expenses			56300	3412	233730	
Management fee of SAWC			11923	723	49499	
Miscellaneous expenses	150	16		2400	164400	Includes visa, insurance, airport charges, etc
Contingency & Unforeseen expenses	200	16		3200	219200	To account for seasonal spike in expenses and other unforeseen expenses
Total			2,63,386	49,643	34,00,531	
Cost per person (USD)				3,103	2,12,533	

Note:

1. The cost of air travel may be revised based on actual cost at the time of actual booking.
2. 1 USD = INR 68.5; 1 USD = 16.5 South African Rand; 1 SA Rand = INR 4.5 (www.xe.com, 10/02/2016)
3. SAWC payment policy
 - a. 50% deposit is required in order to confirm a booking.
 - b. Please note that a reservation is not confirmed or secured until this deposit requirement has been paid in full.
 - c. The balance of the account must be paid, no later than 21 days prior to arrival.
 - d. Cancellation policy:
 - e. 21 – 7 days prior to arrival – 50% cancellation fees 6 – 0 days prior to arrival – 100% cancellation fees
 - f. All cancellations must be made in writing.

Attachement: Detailed Budget Estimate Submitted by SAWC

Foresters from West Bengal 2016 16pax

Dates: September 2016
Pax: 16 pax

Dates	Description	COSTS				Notes
		Rate 2016	Days	No.	Total	
6.7.8.9.10.11.12.13.1 4.15.16.17.18 Sept	Accommodation at SAWC				R 47,840.00	
	Students safari tent 2-4 pax sharing	R 230.00	13	16	R47,840.00	
6.7.8.9.10.11.12.13.1 4.15.16.17.18 Sept	Additional Amenities in SAWC Accommodation:	Rate 2016	Days	Pax	Total	R 4,784.00
	Shampoo / Shower gel / Box soap per set	R 14.00	13	16	R2,912.00	
6.7.8.9.10.11.12.13.1 4.15.16.17.18 Sept	Tea/Coffee station in room daily	R 9.00	13	16	R1,872.00	
	Meals at SAWC	Rate 2016	Days	Pax	Total	R 59,680.00
	Breakfast	R 85.00	9	16	R12,240.00	12 Breakfast
	Packed Breakfast	R 85.00	3	16	R4,080.00	10 Lunch
	Packed Lunch	R 110.00	2	16	R3,520.00	12 Dinner
	Lunch	R 130.00	7	16	R14,560.00	
	Dinners	R 130.00	10	16	R20,800.00	
	Welcome Braai All	R 140.00	1	16	R2,240.00	
	Farewell Potjie	R 140.00	1	16	R2,240.00	
	Meals at Offsite places	Rate 2016	Days	Pax	Total	R2,400.00
	Moholoholo Yamathi (Buffet)	R 150.00	1	16	R2,400.00	Can send menu before hand
	Breakfast at Harry's Pancakes	R 0.00	0	0	R0.00	Own Cost (Ala Carte Menu)
	Sleepers / Kalimambo (Ala Carte)	R 0.00	0	0	R0.00	Own Cost (Ala Carte Menu)
	Lunch at Letaba	R 110.00	1	16	R1,760.00	Packed lunch
	SAWC General Services	Rate 2016	Days	Pax	Total	R 2,560.00

8.14 Sep

08-Sep

11-Sep

13-Sep

15-Sep

09-Sep

Laundry per person	R 55.00	2	16	R 1,760.00
Internet (once off fee)	R 50.00	1	16	R 800.00
Gamedrives & Guided Walks at SAWC	Rate 2016	Days	Vehicles	Total
Game drive per vehicle (max 10 pax per vehicle)	R 1,720.00	1	2	R 3,440.00
Game drive per vehicle (max 10 pax per vehicle)	R 1,720.00	1	2	R 3,440.00
Guided Walk) 8 Pax	R 745.00	1	1	R 745.00
Guided Walk) 8 Pax	R 745.00	1	1	R 745.00
Lecturers	Rate 2016	Days	Pax	Total
Introduction to SAWC as a SADC training institution	R 1,500.00	1	1	R 1,500.00
Venue	R 1,540.00	1	1	R 1,540.00
Talks Anti-Poaching	R 1,500.00	1	1	R 1,500.00
Venue	R 1,540.00	1	1	R 1,540.00
Herbivore Management in South Africa with special focus on Elephant Management	R 2,500.00	1	2	R 5,000.00
Venue	R 1,540.00	1	1	R 1,540.00
Moholoholo Rehabilitation Centre	R 140.00	1	16	R 2,240.00
Swadini Dam Boat Trip - Blyde River Canyon	R 140.00	1	16	R 2,240.00
Hoedspruit Endangered Species Centre	R 180.00	1	16	R 2,880.00
Community Wildlife Conflict and Interactions	R 2,000.00	1	1	R 2,000.00
Venue	R 1,540.00	1	1	R 1,540.00
Wildlife Damage Control & Wildlife Electric Fencing	R 1,500.00	1	1	R 1,500.00
Venue	R 1,540.00	1	1	R 1,540.00
Veterinary Research & Transboundary Disease Management	R 1,500.00	1	1	R 1,500.00
Venue	R 1,540.00	1	1	R 1,540.00
Permit Skukuza via Satara	R 0.00	1	1	R 0.00
Game Viewing to Skukuza with guide	R 1,500.00	1	1	R 1,500.00
Skukuza Game Capture Bomas Tour	R 500.00	1	1	R 500.00
Game Cencuses / Management of National SANParks	R 2,000.00	1	1	R 2,000.00
				R 8,370.00
				R 47,930.00

	Venue	R 500.00	1	1	R 500.00
	Eco-Tourism and Conservation Management	R 2,000.00	1	1	R 2,000.00
	Venue	R 1,540.00	1	1	R 1,540.00
	Introduction to Intergrated Fire Management	R 2,000.00	1	1	R 2,000.00
	Venue	R 1,540.00	1	1	R 1,540.00
	Tour of God's Window Panorana, Burkes Luck etc	R 1,250.00	1	1	R 1,250.00
	Permit for Letaba via Satara	R 0.00	0	0	R 0.00
	Roots of Rythm Dance Group	R 5,500.00	1	1	R 5,500.00
6.10.11.14.17.18.19 Sept	SAWC Transport	Rate 2016	Days	Pax	Total
	Bus hire				R 46,549.00
6.19 Sept	Big Trailor for luggage	R 705.00	7	1	R 4,935.00
06-Sep	Pick up at Hoedspruit airport	R 245.00	2	1	R 490.00
6.19. Sept	Driver Travel & Sustenance	R 16.20	1	110	R 1,782.00
12-Sep	Km's Blyde River Canyon Panorama	R 150.00	2	1	R 300.00
10-Sep	Km's Moholoholo/Swadini	R 16.20	1	400	R 6,480.00
11-Sep	Km's HESC	R 16.20	1	140	R 2,268.00
14-Sep	Km's to Skukuza	R 16.20	1	130	R 2,106.00
13-Sep	Km's to Letaba	R 16.20	1	295	R 4,779.00
19. Sept	Km's to JHB return (Drop Off group)	R 16.20	1	345	R 5,589.00
	Accommodation at JHB estimate	R 16.20	1	1100	R 17,820.00
06-Sep	JHB Accommodation B&B	Rate 2016	Days	Pax	Total
	JHB Accommodation B&B	R 950.00	1	16	R 15,200.00
19-Sep	JHB Accommodation B&B	R 950.00	1	17	R 16,150.00
	Sub-Total				R 31,350.00
	Management fee				R 79,490.00
	Grand Total				R 2,63,386.50

without driver
with driver



SOUTHERN AFRICAN WILDLIFE COLLEGE

Registered as a Non-Profit Company of the Companies Act of 2008
Registration Number 1996/005726/08, 046-675-NPO, 930016093-PBO

11/01/2016

To whom this letter may be of concern

Dear Sir/ Mam

SAWC is pleased to invite a team of forest officials from West Bengal Forest Department working for JICA funded "West Bengal Forest and Biodiversity Conservation Project" for a customized training programme on issues related to Wildlife and Park Management. The programme will be over a period of 2 weeks with current and relevant topic presented by experts in the various fields. Subjects would include talk and lectures on current anti-poaching strategies, Herbivore Management in SA with emphasis of Elephant Management, Endangered Species Rehabilitation, Wildlife Damage Control and Wildlife Fencing, Community Wildlife Conflict and Interactions, Veterinary Research and Transboundary Disease Management, Game Capture Facilities in Kruger National Park, Game Census and management of Kruger National Park, Eco Tourism and Conservation Management, Integrated Fire management etc.

If you require more information about our organization, this training programme, or feedback on the programme afterwards, please contact us by email marvdw@sawc.org.za (Marilize van der Walt). Our office address is: Springvalley Farm 200 KU, On R351 to Orpen Road, Kempiana Nature Reserve, Hoedspruit, 1380, South Africa.

Thank you,

Ms. Marilize van der Walt

Senior Coordinator/ Advisor

Southern African Wildlife College

Directors: Dr. I.B. Mkhize (Chairman), Mr. I. Goodwin, Countess. S. Labia, Mrs. L.M. Lynch, Mr. M. Mnisi,
Mr. O.E. Mokgane, Mr. W. Myburgh, Dr. G. Raven, Prof. B.K. Reilly, Dr. B. Soto (Mozambique), Mrs. T. Sowry.

Private Reg 13015, Hoedspruit 1380, South Africa Telephone: +27 (015) 290 7300 Fax: +27 (015) 290 7311 e-mail: info@sawc.org.za www.wildlifecollege.org.za

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Final

Annexure III B

Learning and Consultation Tour to Kenya on Climate, Afforestation, Wildlife & Tourism

for Senior foresters from the West Bengal Forest Department in India. Time: August 2016.

Learning Objective

To gain understanding of the management approaches, systems, strategies and best practices for climate adapted wildlife, forest and park management and issues related to nature or eco-tourism management

Proposed Duration of visit:	13 days including travel time
Proposed time of visit:	August 2016
Proposed No. of Participants:	12
Visiting Team members:	To be decided by PMU (Mixed group of Senior and middle level officers)
Total proposed budget:	USD 58,113
Nodal institution for management of study tour:	Kenya Wildlife Service / Kenya Forest Research Institute
Letter of Invitation:	awaited
Coordinator for Study Tour:	1. Dr. Anders Perdersen, anderspp@gmail.com
Other Contacts:	1. Dr. Ben Chikamai, Director General, Kenya Forest Research Institute (KEFRI), bnchikamai@gmail.com 2. Stephen M. Manegene, Director of Wildlife and Conservation, Ministry of Environment, Water, and Natural Resources, Kenya; smmanegene@gmail.com
Proposed Travel Route:	Kolkata – Kenya - Kolkata

Overall Program

Part 1 (KEFRI and TBFT)

Afforestation, Improved Plants, and Applied Research making better use of wood

Day 1 Arrival. Travel 40 km to KEFRI, Muguga. Night in Muguga.

Day 2 Nairobi – KEFRI and KFSC. Grill dinner at Muguga

Day 3 TBFT and KEFRI Research Station, Karura. Travel: KWSTI Naivasha. Check in Guest Wing

Part 2 (KWS and KWSTC)

Learning days. Wildlife, Trees, Tourism, Protection, and PA management

Day 4-5 Naivasha KWSTI. Training and Info exchange.

Day 6 Nakuru National Park. Night at campsite

Day 7 Day off. Travel to NBO, night in NBO downtown

Day 8 Full day visit KWS Headquarters, Nairobi National Park. Reception dinner

Part 3 (KWS)

Field: Wildlife and PA mgmt. in practise. Security, encroachment, charcoal, tourism, rehabilitation

Day 9 Check out early, travel to Marsabit (from Wilson Airport). KWS in Marsabit

Day 10 Marsabit ctd. Afternoon travel to Mt. Kenya

Day 11 Mt. Kenya. NP. Night in NP

Day 12 Check out. Mt. Kenya NP. By bus to East (or West Tsavo). Night in NP

Day 13 Mombasa Marine NP, inc. boat trip. Night in Mombasa

Day 14 Travel back to JKIA, Nairobi. Leave Kenya¹

Detailed programme is provided in Annexure B

¹ option for individual extended stays by own means

About Host Institution(s)

Kenya Wildlife Service & Kenya Wildlife Service Training Institute (KWSTI)

Kenya Wildlife Service Training Institute (KWSTI), established in 1985, is a middle level college located in Naivasha, which is about 90 km from Nairobi. It is registered with the Ministry of Education, Science and Technology and is under the management of Kenya Wildlife Service (KWS).

KWS is the Kenyan state institution established by an Act of Kenyan Parliament, with the mandate to conserve and manage wildlife in Kenya, and to enforce related laws and regulations. It undertakes conservation and management of wildlife resources across all protected areas systems in collaboration with stakeholders with a goal to work with others to conserve, protect and sustainably manage wildlife resources. It manages about 8 per cent of the total landmass of the country, containing 23 National Parks, 28 National Reserves and 4 National Sanctuaries. Also under KWS management are 4 Marine National Parks and 6 Marine National Reserves at the Coast. In addition, KWS manages 125 field stations outside protected areas.

KWSTI provides specialized training in Natural Resource Management and Tourism Development in an effort to enhance Conservation, Management and Sustainability of Wildlife Bio-diversity in Kenya and globally. Courses are offered at Certificate and Diploma levels with curricula designed on Competency-based basis with Modules of Employable Skills (MES), when desired. Apart from regular courses, it also implements special training packages wildlife management and biodiversity conservation.

The institute has staff experienced in training and facilitating and well equipped physical infrastructure including seminar halls and hostel. It also draws upon the resources of KWS for facilitating study tours and training programmes.

PMC-WBFBCP has approached the KWS and KWSTI for organizing the study tour to Kenya for WBFBCP focusing on climate adapted wildlife and park management. They have communicated their interest in managing the programme and a programme has been developed through mutual consultation. The programme budget and letter of collaboration is awaited.

More details on KWS and KWSTI can be found at <http://www.kws.go.ke/content/kenya-wildlife-service-training-institute>

Kenya Forest Research Institute (KEFRI)

The Kenya Forestry Research Institute (KEFRI) is a state corporation established in 1986 as a centre of excellence in forestry and mandated to undertake research in forestry and allied natural resources. The institute conducts research and development activities under five thematic areas namely: Forest productivity and Improvement; Biodiversity and Environment Management; Forest Products Development; Social-economics, Policy and Governance and Technical Support Services. KEFRI headquarters is located in Muguga, 23 km north-west of Nairobi, and has one national centre and five regional centres.

Annex A

Estimated Budget

	Persons	unit	no.of units	cost/unit	total \$
Airfare India Kenya (economy) <i>~</i>	12	tickets	1	800	9600
Health + Travel Insurances	all	insurances	13	100	1300
DSAs	13	DSAs	14	75	13650
DSA reductions for meals provided	13	DSAs	13	-15	-2535
Accommodation (average), inc. breakfasts	13	nights	14	40	7280
Meals purchased in group or through hosts	13	meals	8	7	728
Dinners / Receptions hosted	25	dinners	6	15	2250
Local Transport KEFRI	all	km	150	2	300
Local Transport KWS/KWSTI	all	km	300	2	600
Airtrip Nairobi (Wilson)-Marsabit-Mt. Kenya	14	flights	2	1500	3000
Bus and 4WD transport in field	all	km	1200	2.5	3000
Tuition fees to KWSTI	all	tuition	2	1000	2000
Institutional host fee to KEFRI / KFSC	all	Hosting	1	1000	1000
Host appreciations (DSAs) in field	all	DSAs	25	40	1000
Park fees	13	foreigners	6	70	5460
Gift to hosts	all	gifts	20	60	1200
External coordinator / facilitator fee	1	days	14	275	3850
Airtrip Mombasa-Nairobi	13	tickets	1	125	1625
Contingencies	5% of total				2805
Total					58113

Annex B

Detailed Preliminary Programme

Part One

Purpose: Learn from the Kenyan experience, get factual information, ideas, and build up networks and strength in ways of embarking into successful, efficient, and effective tree planting on small as well on larger scale. Emphasis on:

1. *Technical issues: seed, species choice, tree improvement, propagation, planting design in harsh areas, silviculture, management, agroforestry, fertilizer, and charcoal*
2. *Operational and institutional issues: PPP (public-private sector partnership), CBOs, training, economy, failures, mode of operations, private initiatives*

Day 1

Arrival, Nairobi, check in at KEFRI.

KEFRI . Welcome by director. Topics: Research priorities, major leaps forward in recent years Clonal Forestry and Tree Improvement. Extension material

Farm forestry in practice (by Jennifer Ngigi)

Tree planting- Subsistence orientation. What is in it for the farmer? by Patrick Kariuki, KFS
KFS Credit Schemes project, vision, reality and progress by Mariuki
Pilot test planting of drought tolerant clones of *Euc. grandis x cam.* in Muguga (directions by TBPT)

Day 2

KEFRI and KFSC

08:00	Local Seed Collection	Lucy Mwaura
08:30	Tree Seed Handling (field, handling, test, storage etc)	
09:20	KFSC. What we do - Statistics and Overview	W. Omondi
09:50	Recent development of Seed Sources. Seed Source Overview. List superior + recommended Seed Sources	KFSC
10:15	Coffee Break. Departure to nearby Kenya Forest Seed Centre	
10:50	View facilities (extraction, cleaning, drying, testing, storage, pre-treatment, sowing in research nursery)	Peter, Agnes & KFSC
11:50	Where, when, how to buy the best suitable and well bred seed ?	KFSC
12:20	Informal seed sector. Contractual suppliers to KFSC	KFSC
12:30	Collect info (and seed samples?)	KFSC

12:45	Back to KEFRI for lunch	
14:00	Field TRIP (seed source types, management, classification, tree improvement, seed source delineation, seed source design, management, collection method, seed handling in field)	KFSC

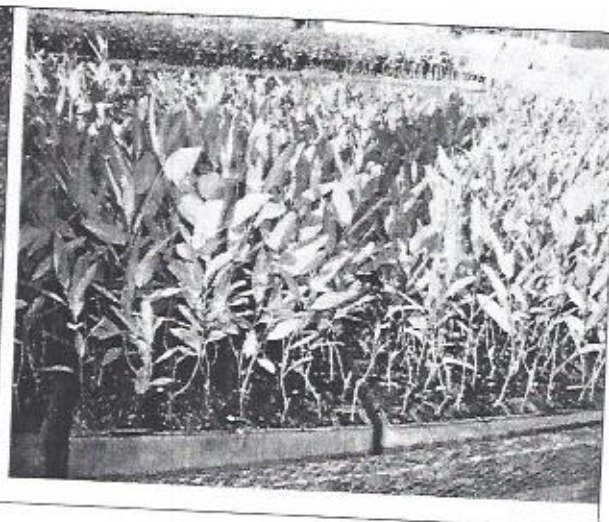
Evening 18:00 Dinner Grill garden party at KEFRI compound, inc. IFDC staff. Music delivered by DJ at KEFRI

Day 3

Karura Forest (greater Nairobi). Clonal Nursery of Tree Biotechnology Pgm. Trust (<http://tree-biotech.com/>). Techniques, mother-hedges, bottlenecks, scaling up, distribution. Tree improvement and new species of venture. Pass by Pilot test planting of *Euc. grandis x cam.* in Karura with TBPT staff



Photo 1: Pilot clone plantation in Karura forest. TBPT slogan: "Clonal Forestry is the Future". Right: hybrid cuttings of Eucalyptus, TBPT nursery (A. Pedersen photo taken 22/2-2012)



Lunch at KEFRI, Karura

Afternoon KEFRI Wood Product Research Centre: Wood products research, waste and charcoal bricks, bamboo, etc. Reuben Shanda

Travel to Naivasha

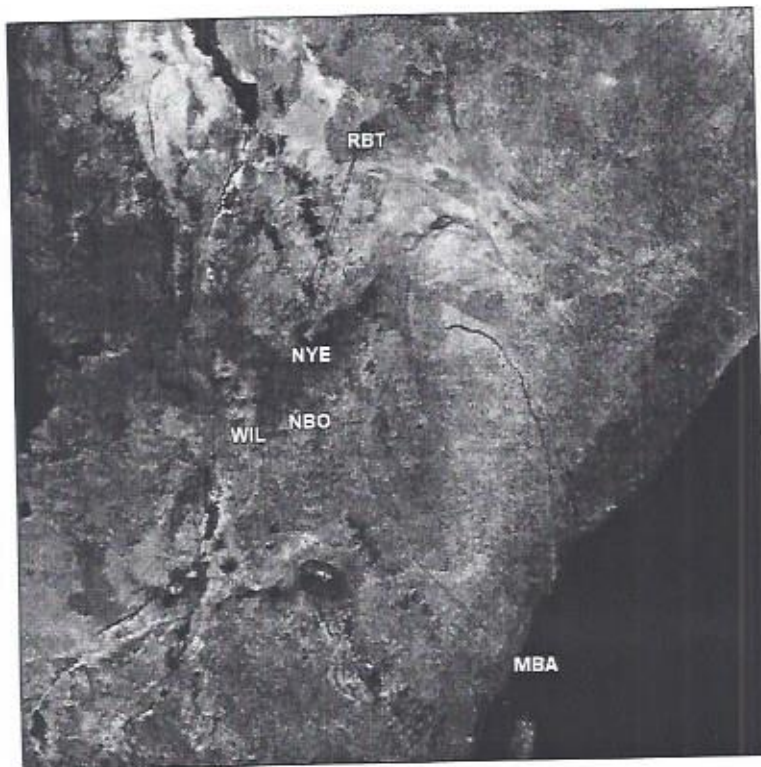
Part 2 and 3

Topics: Wildlife sanctuaries, wildlife management, Forest reserves, protected areas, Eco/Wildlife-tourism. Period: August 2016

Day	Activity	Topic	Where	Responsible	Notes
3	Arrival		JKIA, Nairobi	Facilitator	From India
	Travel to Naivasha,		Kenya Wildlife Service	KWS (+facilitator)	100 km NW of Nairobi

	check in Guest Wing		Training Institute		
4	Introduction	Welcome reception, speeches, mutual introduction	KWSTI	KWSTI	
4	KWSTI premises	<ul style="list-style-type: none"> Kenya, Protected Areas, Overall mgmt. Area classifications and accessibility Animal control and counts Illegal activities 	Naivasha town	KWS	
5	KWSTI premises	<ul style="list-style-type: none"> Plant and tree conservation Tree and forest management Species degradation, inbreeding, and genetic infusion Species versus ecosystem approach 	Naivasha town	KWS	
6	Field Trip	Management In practice <ul style="list-style-type: none"> Animal spotting Encroachment management Surveillance and Sampling Lake Nakuru Education Centre 	Nakuru Lake camp site or Nakuru town	Nakuru NP Park management	Location is 50 km from Naivasha
7	Travel day	Lodging in city Afternoon off	Nairobi	Facilitator	
8	Core visit	<ul style="list-style-type: none"> Introductions Presentation of Rajasthan PA and Wildlife mgmt. 	Travel KWS HQs	Presenter / Group leader from India	15 km from Nairobi at city National Park
		<ul style="list-style-type: none"> Tree and forest management Plant and tree conservation Species degradation, inbreeding, and genetic infusion Species versus ecosystem approach Wildlife research 		KWS researchers / head of departments	
8	Reception	Scope of future cooperation / reciprocal visit?	KWS Headquarter	KWS mgmt.	Hosted by KWS
9	Travel to Marsabit	Marsabit dry zone NP management	Marsabit town	KWS Airwing	From Wilson Airport

9+10	Marsabit	Field trip with focus on <ul style="list-style-type: none"> • Rehabilitation of degraded areas • Cost / Benefit measures (how far can we go?) 	Marsabit NP / reserve	KWS local staff	Airstrip. Aircraft stays night over
11	KWS Air travel	Mount Kenya NP	Mt. Kenya	KWS local staff	Aircraft returns to NBO
11	Mt. Kenya NP	Field trip and class room <ul style="list-style-type: none"> • Tourism in Protected areas • topic tbd. KWS • topic tbd. Group 	Mt. Kenya	KWS local staff	Night arranged by KWS, preferably by KWS
12	Bus/4WD travel	East Tsavo Tourism in Protected areas	Night in NP in bandas or camp	KWS local staff	
13	Bus /4WD	<ul style="list-style-type: none"> • Tourism drawbacks • Eco-Tourism 	Mombasa Marine NP.	KWS local staff	
13	Afternoon off	Follow up and report writing Beach and shopping	Mombasa	All	No program
14	Air Travel	Farewell to KWS representatives	Mombasa	Facilitator / KWS	Back to home country through NBO



Kenyan airports/airstrips envisaged to be encountered.

Wilson (WIL) in Nairobi links to Marsabit (RBT) Nat. Park/Game Reserve (low rainfall savanna rangeland)

Nyeri Airport (NYE) at the foothill of Mt. Kenya gives access to Mt. Kenya NP

Mombasa (MBA) links to Nairobi (NBO) international Airport (International departure and Arrival)

Study tour on Biodiversity Conservation, Ecotourism Management and Tropical Forest Management

Central America (Mexico & Belize)

Learning Objective

To gain understanding of the management approaches, systems, strategies and best practices adopted for tropical forest management, afforestation, community forestry, sustainable ecotourism, biodiversity conservation, and protected area management in tropical conditions.

Proposed Duration of visit:	13 days including travel time (Mexico – 7 days; Belize – 3 days; International travel – 3 days)
Proposed time of visit:	19 November – 01 Dec 2016
Proposed No. of Participants:	15 (Plus <i>PMC Team Leader would accompany the team as part of his normal mobilization for the PMC</i>)
Visiting Team members:	To be decided by PMU
Total proposed budget:	About INR 58.3 lakh
Nodal person for management of study tour:	Hans van Kooijk, Team Leader, PMC, WBFBCP
Other Contact Persons:	<ol style="list-style-type: none"> Ms. Ann Snook, Rainforest Alliance, Mexico asnook06@msn.com ECOSUR (El Colegio de la Frontera Sur) Dr. Rogel Villanueva Gutierrez, Principal Research Scientist rvillanu@ecosur.mx CONANP (Comission Nacional De Áreas Protegidas) Dr. Jose Aldalberto Zuñiga, Director of the Calakmul Biosphere Reserve jzuniga@conanp.gob.mx; jzuniga.morales@gmail.com Edilberto Romero, Executive Director, Programme for Belize, http://www.pfbelize.org execdirector@pfbelize.org
Proposed Travel Route:	Kolkata – Cancun (Mexico) – Sian Kaan – Noh Bec – Calakmul – Rio Bravo Conservation Area – Belize City – Cancun / Panama city – Kolkata

About the Main Organizations Involved in the Study Tour Process

ECOSUR, Mexico

El Colegio de la Frontera Sur (ECOSUR) is an interdisciplinary research and higher education centre, focused on the development of southern Mexico. Its programmes are linked to the production of scientific knowledge, human resource formation and the design of technologies and strategies to contribute to sustainable development. ECOSUR's main areas of work and research are: Biodiversity conservation; society, culture and health and alternative production systems.

CONANP, Mexico

Mexico's Protected Natural Areas are 158 designated "Natural Areas" in Mexico, representing 11% of the nation's surface area, and are protected and administrated by the National Commission of Protected Natural Areas (Comisión Nacional de Áreas Naturales Protegidas, or CONANP), a federal agency. CONANP administrates:

- 67 National Parks
- 35 Biosphere Reserves
- 29 Protected Flora & Fauna Areas
- 17 Nature Sanctuaries
- 6 Protected Natural Resource Areas
- 4 Natural Monuments

Programme for Belize, Belize

The Programme for Belize (PFB) is a Belizean, non-profit organization, established in 1988, to promote the conservation of the natural heritage of Belize and to promote wise use of its natural resources. The business of PFB on the Rio Bravo is conservation of tropical forest. The Rio Bravo Conservation and Management Area is its flagship project where Programme for Belize demonstrates the practical application of its principles covering an areas of about 300,000 hectares. Approximately half of this land is reserved for protection of biodiversity and natural habitats. IGAs in neighbouring communities are also promoted, and can be studied. Various projects are being implemented by PFB including Sustainable Tourism Certification Programme; EU Forestry Project (on forest conservation of community or private forest); Wings Project (Community monitoring of Scarlet Macaw); Sartenja Project (to reduce impact of communities on Belize Reef Reserve System by facilitating participatory community planning for sustainable use of these resources) and World Bank Project which is a bi-national project covering Belize & Guatemala and links six Protected Areas. More details at <http://www.pfbelize.org>

Proposed Itinerary including Places and Institutions to be visited:

Day / Date	Place / Institution	Details
1 / 19 Nov	Kolkata	Leave for Cancun
2 / 20 Nov	Cancun <i>Night Halt at Cancun</i>	Arrive in Cancun Check into hotel, Rest & meet with local resource person(s)
3 / 21 Nov	Visit Xcaret Eco-Archeological Park 60 kms from Cancun <i>Night halt at Cancun</i>	Xcaret Park is a privately owned and operated theme park, resort and self-described ecotourism development located in the Riviera Maya, a portion of the Caribbean coastline of Mexico's state of Quintana Roo. It is situated approximately 75 kilometres south of Cancun. It is named after the nearby archaeological site Xcaret, a settlement constructed by the pre-Columbian Maya some of whose structures lie within the boundaries of the park's 81 hectares (200 acres) of land holdings. Study ecotourism products and management
4 / 22 Nov	Visit Sian Ka'an Biosphere Reserve & Mangrove forest <i>Night halt at Tulum</i>	Travel from Cancun to Sian Kaan Reserve (2 hours journey by road) Sian Ka'an, home to thousands of species of flora and fauna, became a designated Biosphere Reserve in 1986 and a UNESCO World Heritage Site in 1987. With an area of about 1.5 million hectare, it is the largest protected area in the Mexican Caribbean. Located 2 hours south of Cancun near the small town of Tulum. Issues that can be learnt include sustainable tourism, biodiversity conservation, wildlife related research and park management. Study mangrove protection and rehabilitation through planting. Option of studying community based eco-tourism linked to biosphere reserve.
5 & 6 / 23-24 Nov	Visit Noh Bec Community Forest <i>Night halt at Uxmal</i>	Travel to Noh Bec (2 hours journey by road from Tulum) The community of Noh Bec in Quintana Roo, Mexico, has only 1,880 residents and was founded in 1936 by a group of rubber-tappers from the state of Veracruz. Currently, Noh Bec is an organized forestry community with a territory of 93 square miles (24,122 ha). It has a 70 square mile (18,000 ha) Permanent Forestry Area for timber extraction and a communal forest reserve called El Huasteco with three square miles (700 ha) dedicated for the protection and conservation of plants and animals. Study the system for sustainable community based forest management, including sustainable harvesting system, timber certification, replanting, forest based income generation, nursery for mahogany & spanish cedar etc.
7 & 8 / 25-26 Nov	Visit Calakmul Biosphere Reserve to study biodiversity conservation strategies & Buffer	Bordering Guatemala & Belize, the Calakmul Biosphere Reserve is located at the base of the Yucatán Peninsula in Mexico. It occupies 7,231 km ² and includes about 12% of the sub-perennial jungles of Mexico. The Reserve, which was established in 1989, is one of the largest protected areas in Mexico, covering more than 14% of the

	<p>area to study community forestry & saw mill</p> <p><i>Night halt at Calakmul</i></p>	<p>state. The important pre-Columbian Maya civilization archaeological site of Calakmul, one of the largest-known Maya sites, is located in the Biosphere Reserve.</p> <p>Study issues related to biodiversity conservation and buffer zone forestry management (sustainable harvesting system, timber certification, replanting, forest based income generation, nursery). Largest Saw Mill in Americas is located close to reserve can also be visited.</p>
<p>9, 10 & 11 / 27 to 29 Nov</p>	<p>Travel to Rio Bravo Conservation Area, Belize</p> <p>Visit Conservation International (optional)</p> <p><i>Night halt in Conservation Area (La Milpa or Hill Bank Lodge) / Belize City</i></p>	<p>The Rio Bravo Conservation Area is located in the Orange Walk District of Belize, and is owned and managed by a private nonprofit Belizean organization, Programme for Belize. The area is made up of a combination of broadleaf forest, swamp forest, palm forest, savannah, and marshland. The area is managed for conservation, scientific research, sustained yield-timber harvesting, non-timber forest product extraction, ecotourism and educational purposes. There are two field stations that cater to study groups: La Milpa Field Station and Hill Bank Field Station, both located at opposite ends of the reserve. Hill Bank Field Station is located near the New River Lagoon, close to Lamanai archaeological site, and La Milpa Field Station is located near La Milpa Archaeological Reserve. Study conservation strategies, sustainable harvesting of timber and NTFPs.</p> <p>CI provides practical training to Central American foresters on controlled forest fire, and could be visited to study the technique adopted for controlled burning as well as practical application of research for enrichment planting.</p>
<p>12 / 30 Nov / 01 Dec</p>	<p>Fly to Kolkata</p>	<p>Via Cancun or Panama City (to be decided by Team Leader). Arrive in Kolkata on 1st Dec</p>

Budget Summary for Proposed Study Tour (15 participants)

Cost Item	Total Cost (USD)	Total Cost (INR)	Remarks
International Travel expenses			
Flight Cost		2550000	For 15 persons, not including PMC Team Leader; May change according to airline, season & time of booking
Visa		390180	For 15 persons, PMC Team Leader does not require visa for the countries to be visited
Insurance		22500	Estimate based on premium for travel insurance by ICICI lombard; Varies according to Age Group; for 15 persons
Lodging expenses	19650		3 Star hotel; Single accommodation; May change with season and time of booking
Per Diem (Food)	10575		Calculated @ USD 75 for Mexico and USD 60 for Belize, for 15 participants (WBFD officers)
Local Travel Expenses	4300		Two vans for 10 days; also includes airport pickup
Fee for local Resource Persons / Facilitator / Translator	4800		Including time for planning & preparation; to be hired and paid through NKI; includes their Per Diem
Park entry fees & ticket	4800		
Contingency	7500		for unforeseen expenses, @ USD 500 per participant for 15 participants
Total	51625	2962680	
Total Expenses in INR		6498993	1 USD = INR 68.5
<i>Expense per participant in INR</i>		<i>433266</i>	

Notes:

1. Calculations assume 1 USD = INR 68.5 (as on 11/02/2016)
2. Cost estimates for flights, hotels, Van hiring are tentative and subject to change depending upon the time of booking and availability
3. The travel and lodging cost of the PMC Team leader and local facilitator(s) are included in the budget.
4. The logistics for the study tour would be arranged by PMC (NKI) and Travel Agent hired for the purpose by NKI.
5. The PMC Team Leader would accompany the Group and manage the programme, together with support from local resource persons & facilitators. His fees and per diem would be paid by NKI as he would be deemed as mobilized for the Project.



Detailed Budget for Study Tour (15 participants)

Cost Item	Unit	No. of Units	Unit Cost (USD)	Unit Cost (INR)	Total Cost (USD)	Total Cost (INR)	Remarks
International Travel expenses							
Flight Cost							
Kolkata-Cancun	persons	15		70000		1050000	May change according to airline, season & time of booking; Cost estimate based on Emirates Airlines as on 16/09/2015; 35 hours, 2 stops
Belize City to Kolkata	persons	15		100000		1500000	May change according to airline, season, time of booking or route (via Cancun or Panama city or USA)
Visa							
Mexico	persons	15	39	2672		40080	Cost for tourist visa for Indians; Calculated @ 1 USD = INR 67
Belize	persons	15		23340		350100	Cost for tourist visa for Indians; processing time 10 to 15 days; https://belize.visahq.in
Insurance	persons	15		1500		22500	Estimate based on premium for travel insurance by ICICI Lombard; Varies according to Age Group
Sub-total					0	2962680	
Lodging expenses							
Cancun (2 nights)	15 rooms for 2 nights	30	120		3600		Cost estimate for 3 star hotel, Single occupancy, including breakfast; May vary according to hotel, season and time of booking
Tulum (1 night)	15 rooms for 1 night	15	120		1800		Cost estimate for 3 star hotel, single occupancy, including breakfast; May vary according to hotel, season and time of booking
Uxmal (2 nights)	15 rooms for 2 nights	30	100		3000		Cost estimate for 3 star hotel (Uxmal Resort Maya), single occupancy, including breakfast; May vary according to hotel, season and time of booking
Calackmul (2 nights)	15 rooms for 2 nights	30	150		4500		Cost estimate for Hotel Puerta Calackmul; double occupancy, including breakfast; May change according to hotel & time of booking
Rio Bravo Conservation Area (1 night)	15 rooms for 2 nights	30	150		4500		Average Cost estimate of 8 double occupancy rooms rates for which vary between USD 110 to 130 per night for La Milap or Hill Bank cabana accommodation
Belize City (1night)	15 rooms for 1 night	15	150		2250		Cost estimate for 3 star hotel, single occupancy, including breakfast; May vary according to hotel, season and time of booking
Sub-total					19650	0	
Per Diem (Boarding)							
Mexico	person days	105	75		7875		For 15 persons
Belize	person days	45	60		2700		For 15 persons
Sub-total					10575	0	
Local Travel Expenses							
Van Rental (8 seater 2	van rental	20	200		4000		May change at the actual time of

vans with driver)	days						booking depending upon season
Airport pickup & drop	times	2	150		300		
Sub-total					4300	0	
Other expenses							
Fee for local Resource Persons / Facilitator / Translator	person days	12	400		4800		including time for planning & preparation; to be hired and paid through NKL; includes their Per Diem
Park entry fees & ticket	persons	16	300		4800		
Sub-total					9600	0	
Contingency	persons	15	500		7500	0	for unforeseen expenses
Total					51625	2962680	
Total Expenses in INR						6498993	1 USD = INR 68.5
<i>Expense per participant in INR</i>						<i>433266</i>	



El Colegio de la Frontera Sur

DIRECCIÓN DE UNIDAD
Unidad Chetumal

"2015, Año de Generalísimo José María Morelos y Pavón"

Chetumal, Quintana Roo a 15 de diciembre de 2015
OFICIO: DIRECC/111/2015

Mr. P. J. van Kooijk, Team Leader,
Project Management Consultants,
West Bengal Forest and Biodiversity Conservation Project
Block-LB-2, 2nd Floor
Salt Lake City, Sector III, Kolkata - 700098, India
Phone: +91-33-65003695, Mobile: +9007374262
Email: pmc.ccu@nkindia.in

Dear Mr. P. J. van Kooijk,

We understand that a Team of Senior Officers from the West Bengal Forest Department, India, is planning to undertake a Study Tour to Mexico, Belize and Costa Rica, focusing on Tropical Forest Management, Community Forestry, Wildlife Management, Eco-Tourism and Biodiversity Conservation during September or November 2016.

We understand that all the costs and expenses associated with their visit would be borne by the JICA funded 'West Bengal Forest and Biodiversity Conservation Project'.

We would be happy to welcome them to visit our Institution, share our experiences and facilitate their visit in any manner we can.

Sincerely,

Dr. Hector A. Hernández Arana
Director of Unit, Chetumal
El Colegio de la Frontera Sur





PROGRAMME FOR BELIZE

Edilberto Romero

Executive Director

1 Eyre St., P.O. Box 749

Belize City, Belize, Central America

Tel: 501 227-5616/5617 Fax: 501 227-5635

E-Mail: pfbel@btinternet.com

Website: www.pfbelize.org

December 7, 2015

Mr. P. J. van Kooijk, Team Leader
Project Management Consultants
West Bengal Forest & Biodiversity Conservation Project
Block-LB-2, 2nd Floor
Salt Lake City, Sector 111, Kolkata – 700098, India
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Sincerely,

Edilberto Romero
Executive Director

cc: Denham Chuc, Technical Coordinator
Ramon Pacheco, Manager Admin & Planning
Edny Gamez, Tourism Manager

Tropical Ecosystem Research Network (TERN)

Head office: 30c, Temple Road, Hadigama, Piliyandala
Colombo office: NO 82, Second floor, WAD Ramanayake Mawatha, Col. 2
Tel: 071 821727/ 072 1686060 E - Mail: ternianka@gmail.com



23rd February 2016

To
Mr. Ajay Rai,
Capacity Building Expert,
PMC-WBFBCP,
2nd Floor,
Building No. 2 of West Bengal Milk Federation,
Block LB-2, Sector III, Salt Lake, Kolkata, West Bengal
India

Dear Mr. Ajay Rai,

Letter of interest for collaboration for the proposed study tour of WBFD

This refers to your letter dated 12th February 2016, written on behalf of the Project Management Consultants of the West Bengal Forest and Biodiversity Conservation Project. As per the letter, you have expressed an interest in a study tour to Sri Lanka for 10 wildlife officials from your organization.

On behalf of the Tropical Ecosystem Research Network (TERN), I am happy to collaborate with you in designing, organizing and coordinating this study tour and training, tentatively to be held in November 2016. Herewith I invite 10 officials from your institute for a period of 12 days to Sri Lanka to share experience in protected area management through a series of discussions, hands on sessions and engaging site visits.

Considering the scope of your interests, especially in Protected Area Management with special reference to Human Elephant Conflict, I believe that Sri Lanka is a suitable place to fulfill the objectives of the intended tour. We are involved in several key projects in fine-tuning our protected area management sector and will be happy to share the information. The visit will cover all biogeographical zones of Sri Lanka and will allow your team to interact with key personals from the conservation sector including senior administrators to the grass root level practitioners.

Tropical Ecosystem Research Network (TERN)

Head office: 30c, Temple Road, Hadigama, Piliyandala

Colombo office: N0 82, Second floor, WAD Ramanayake Mawatha, Col 2

Tel: 071 821727/ 072 1686060 E-Mail: ternlanka@gmail.com



The training and movement plan which will follow this letter has been designed based on my experience as a field biologist and also through contacting relevant expertise especially from the Wildlife and Forest Departments and Universities. However, the plan is open to your comments in the process of finalizing. The tentative budget also could be finalized after your comments on the programme.

TERN will be the organizer and the logistic planner of the visit. There will be numerous collaborative agencies including Sabaragamuwa University of Sri Lanka who will engage through TERN to make the visit successful. Your letter states that all expenses budgeted will be covered by PMC once approved. Therefore, transactions could be discussed in due time once the planning is completed and approved.

While appreciating the kind communication over the past two months to clarify my numerous queries and the effort made by you on behalf of your team, I am looking forward to organizing an effective and a fruitful visit that will benefit both India and Sri Lanka in making our Biodiversity Conservation efforts successful. Thank you for the excellent opportunity provided to TERN to network with your Department.

Best Regards,

Yours Sincerely,

Dr. Enoka. P. Kudavidanage

CEO and Director

Tropical Ecosystem Research Network (TERN)

Senior Lecturer – Conservation Biology

Department of Natural Resources

Faculty of Applied Sciences

Sabaragamuwa University of Sri Lanka

Study tour on Wildlife Management & Park Management Issues focusing on Human – Wildlife Conflict Management

Sri Lanka

Learning Objective

To gain understanding of the management approaches, systems, strategies and best practices adopted for human-wildlife conflict, especially human-elephant conflict management; park management including conservation of marine ecology in Sri Lanka

Proposed Duration of visit:	14 days including travel time
Proposed time of visit:	13 -- 26 September 2016
Proposed No. of Participants:	10
Visiting Team members:	To be decided by PMU (Mixed group of Senior and middle level officers)
Total proposed budget:	Rs. 16.62 lakh
Nodal institution for management of study tour:	Tropical Ecosystem Research Network (TERN), Sri Lanka
Letter of Invitation:	enclosed
Other institutions to be involved:	Department of Wildlife Conservation; Department of Forest Conservation; National Wildlife Training Centre (NWTTC), Sri Lanka; Sri Lanka Forestry Institute (SLFI); Leopord Ecology and Conservation Project (LEOCEP); NGOs working on HE conflict issues
Coordinator for Study Tour:	1. Dr. Enoke P. Kudavidanage, CEO & Director, TERN enokakudavidanage@gmail.com
Proposed Travel Route:	Kolkata – Colombo – Galgamuwa – Girithale – Nuwara Eliya – Ohiya – Udawalawe – Hambantota – Mirissa – Colombo (via Galle) -- Kolkata

About Host / Facilitating Institution for Study Tour

Tropical Ecology Research Network (TERN)

Tropical Ecosystem Research Network (TERN) is a registered nonprofit organization, committed to biodiversity conservation and environmental protection in Sri Lanka, through facilitating research, education, conservation and sustainable development. Actively working in the field since 2010, the professionals, academics and practitioners associated with the organization work closely with local communities to create innovative solutions that meet the needs of both people and nature in the field of Biodiversity Conservation, Information Technology, Forestry, Natural Resources Management, Geography and related fields.

TERN works with a number of local and international organizations to bring together knowledge and skills in its focus areas. Working in one of the most diverse and unique ecosystems on earth, its work ensures long term support for the vulnerable wildlife and local communities. Its work takes diverse forms that allow people to get involved in projects that match their interest. The project expertise of TERN includes knowledge management, capacity building, research and training in the field of Biodiversity Conservation

and Ecosystem Management. It organizes local and international meetings, conferences and gatherings to disseminate knowledge and collaborate with both government and nongovernment parties to achieve common environmental management goals.

TERN, which regularly engages with government and non-government institutions including Department of Wildlife Conservation and Forest Department of Sri Lanka and has close working relationship with them, would organize and manage the study tour programme of officers of WBFBCP in collaboration with support and engagement of the Department of Wildlife Conservation, Department of Forest Conservation and other institutions involved in the process.

Proposed Tour Plan and Itinerary including Places to be visited:

Day	Date	Time	Activities	Venue /Place	Note
1 TUE	13/09/16		Arrival in Colombo. Travel from Colombo to Galgamuwa. Orientation on programme.	Research facility at the Center for Conservation Research- Galgamuwa	Galgamuwa (Low country intermediate zone) is 160 km from Colombo
		8.30pm	Dinner	Galgamuwa Rest house, Kurunegala	
2 WED	14/09/16	7.30am	Breakfast	Galgamuwa Rest house	
		8.30am	Field visit of narby villages intensely affected by HE conflict with the resource persons. Discuss HE conflict situation in Sri Lanka. Observe and discuss conflict mitigation practices adpted by Department of Wildlife Conservation (DWC)	Villages affected by HE conflict. DWC project sites near Galgamuwa	The resource persons for this activity are two senior most scientists engaged in long termed research on HE conflict in Sri Lanka. The site is an intense HE conflict area and the site visit aims to cover the peripheral villages to observe the conflict mitigation activities conducted by the Department of Wildlife Conservation (DWC) and the CCR- Electric fences, other conservation measure
		1.30pm	Lunch	Galgamuwa Rest house	
		4pm	Leave for the National Wildlife Training Center (NWTC) at Girithale - (Low country Dry Zone)	Accommodation at NWTC visitor facility	Girithale is 100 kms from Galgamuwa
		8.30 pm	Dinner	NWTC dining hall	
3 THU	15/09/16	8am	Breakfast	NWTC dining hall	

Day	Date	Time	Activities	Venue /Place	Note
4 FRI	16/09/16	9am-4pm	Inaugural session and workshop on conservation and various aspects of Park management in Sri Lanka including NBSAP, Law enforcement, Conservation Challenges, Red listing, Climate change issues, Wildlife trade, Community based conservation etc.,	NWTC auditorium	Administrators from the Ministry of Wildlife and Sustainable Development (including Hon. Minister?), DWC, FD and other collaborating institutes will participate at the inauguration, followed by talks and discussions on different aspects of protected area management and conservation in Sri Lanka; Meals and tea will be served at the auditorium dining area. PI-Assistant Director Wildlife and the Chair of NWTC
		8.30pm	Networking Dinner	NWTC dining hall	Cultural visit to the Pilgrim city of Polonnaruwa can be arranged in the evening
		7.30 am	Breakfast	NWTC dining hall	This is also an ideal location for bird watching for interested participants. Guided bird watching can be arranged
		8.30 am-1 pm	Guided tour of NWTC museum, laboratories, veterinary units, other facilities, discussions	NWTC	Alternatively, a site visit to Ritigala SNR (50 km from Girithale) and Elephant rehabilitation center can also be arranged depending upon preference of participants. Ritigala is an ancient Buddhist monastery and mountain in Sri Lanka. The ruins and rock inscriptions of the monastery date back to 1st century BCE.
		1 -2 pm	Lunch	NWTC dining hall	Packed lunch if Ritigala visit is selected.
		2pm-6pm	Visit either Minneriya or Kawudulla National Park. Discussion with Park staff	Minneriya or Kawudulla National Parks	The place to be visited would be decided based on the Elephant migration pattern. Minneriya is 25 km from Girithale and Kawudulla is 80 kms. Minneriya National Park, designated as a national park in 1997, to protect the catchment of Minneriya tank and the wildlife of the surrounding area. The tank is of historical importance, having been built in third century AD. The park is a dry season feeding ground and water source for elephants. Along with Kaudulla and Girithale, Minneriya forms one of the 70 Important Bird Areas (IBAs) of Sri Lanka. Kawudulla NP was designated as

Day	Date	Time	Activities	Venue /Place	Note
					NP with similar objectives in 2002
		8.30 pm	Dinner	Gunners Club-Minneriya	
5 SAT	17/09/16	7.30 am	Leave for Nuwara Eliya (Wet montane)		Breakfast enroute. Nuwara Eliya is about 200 km from Girithale
		1pm	Lunch		Enroute
			Observe and discuss different conservation issues stopping at various sites on the way . Discussion on the impact of land use change on wildlife. Visit Haggala Strict Nature Reserve		Hakgala Strict Nature Reserve is one of the three strict nature reserves in Sri Lanka, the only one in the wet zone. The reserve is an important although isolated cloud forest which supports a number of faunal species including some endemics. The area was designated a strict nature reserve on 25 February 1938. The reserve is adjacent to and contiguous with the Hakgala Botanical Garden which was founded in 1860.
		6pm	Reach the Sri Lanka Forestry Institute (SLFI)	Accommodation at SLFI	
		8.30pm	Networking Dinner	SLFI Dining area	
6 SUN	18/09/16	8am	Breakfast	SLFI Dining area	
		9am-4pm	Presentation and discussion on forestry sector of Sri Lanka	SLFI auditorium	The programme will be conducted by two renowned scientists of Sri Lanka, invited speakers will be the Conservator General of the FD, Officials from the Forest Department, Representatives of the UN REDD office and Sri Lanka customs, Scientists from local Universities and other experts.
		4-6 pm	Networking tea	SLFI dining area	
		8.30-9.30 pm	Dinner	SLFI Dining area	
7 MON	19/09/16	8am	Breakfast		
		8.30 am - 2 pm	Leave for Horton Plains National Park (HPNP). Site visits to Forest restoration areas, lunch enroute		Located at Ohiya, Uva Province HPNP is about 30 kms from Nuwara Eliya;
		4-8pm	Discussions at the Park Wardens office	HPNP Auditorium	A presentation will be made by the Park Warden about park management and by a research team member on LEOCEP-Leopard Ecology and Conservation Project and emerging Human Leopard

Day	Date	Time	Activities	Venue /Place	Note
					Conflict, the use of Conservation Drones: PI Park Warden HPNP
		9pm	Dinner and feedbacks from the participant, mid visit evaluation	Anderson Lodge, HPNP	Lodging at Anderson Lodge, HPNP
8 TUE	20/09/16	6.30 am	Breakfast	Anderson Lodge, HPNP	
		7am	Guided hike to Worlds End	HPNP	HPNP in Ohiya is located at an altitude of 2,100–2,300 metres is rich in biodiversity with many endemic species. Designated as national park in 1988, the Horton Plains are the headwaters of three major Sri Lankan rivers. Large herds of Sri Lankan sambar deer feature as typical mammals. The sheer precipice of World's End and Baker's Falls are among the tourist attractions of the park.
		1pm	Lunch	Anderson Lodge, HPNP	
		2pm	Leave for Udawalawe National Park (UWNP)		UWNP is about 120 kms from HPNP
		6pm	Arrival at UWNP (Lowland Dry Zone)	UWNP	Udawalawe NP was created to provide a sanctuary for wild animals displaced by the construction of the Udawalawe Reservoir on the Walawe River, as well as to protect the catchment of the reservoir. The reserve covers 30,821 hectares of land area and was established on 30 June 1972. Before the designation of the national park, the area was used for shifting cultivation. Udawalawe is an important habitat for water birds and elephants. It is also a popular tourist destination and the third most visited park in the country.
		8.30pm	Dinner		Accommodation at the Thimbiriyamankada Bungalow inside the park
9 WED	21/09/16	6.30 am	Breakfast	UWNP	
		7.30 am	Safari drive through the Park		
		11.30-1.30 pm	Discussion with the Park Warden and the staff on Park management issues	UWNP head quarters	

Day	Date	Time	Activities	Venue /Place	Note
		2pm	Lunch	Kinjou restaurant UWNP	
		3.30pm	Visit to the Elephant transit home and the veterinary Unit of Udawalawe	ETH – UWNP	Learn about conservation and reintroduction of Elephants
		6.30pm	Visit to Pokunuthenna-HE Conflict area	Pokunuthenna Eco lodge	Local NGO working on conflict resolution, Eco-lodge type accommodation with basic facilities
		8.30	Networking Dinner	Pokunuthenna Eco lodge	
10 THU	22/09/16	7.30	Breakfast	Pokunuthenna Eco lodge	
		9am	Site visit to Sevenagala sugar plantation and peripheral villages- Discuss land use and HE conflict, Ecotourism potential	Sevengala and neighbouring villages	Will be accompanied by the DWC staff
		1pm	Lunch	Sankapala local restaurant	Experiencing authentic Sri Lankan food
		5pm	Reach Hambantota(Lowland Dry/ Arid/ coastal line); Guided tour - Dry Zone Botanic gardens and Salterns	Accommodation at Hambantota Rest house	Hambantota is about 65 kms from Udawalawe
		8.30pm	Dinner	Hambantota Rest house	
		9.30 pm	Visit sum up and feedback by the participants	Hambantota Rest house	
11 FRI	23/09/16	7.30am	Breakfast	Hambantota Rest House	
		8.30am	Leave for site visits		
		10am	Reach Bundala NP and Ramsar Wetland. Discussions on Wetland Management, conflict resolution, invasive species, conservation in the face of intensive development	Bundala NP	Bundala National Park is an internationally important wintering ground for migratory water birds in Sri Lanka. It harbours 197 species of birds, the highlight being the greater flamingo, which migrate in large flocks. Designated a wildlife sanctuary in 1969 and redesignated to a national park on 4 January 1993, it became the first wetland to be declared as a Ramsar site in Sri Lanka.
		1pm	Lunch		

Day	Date	Time	Activities	Venue /Place	Note
		3pm-6pm	Site visits continue. Discussions on Wetland Management, conflict resolution, invasive species, conservation in the face of intensive development		
		7pm	Reach Yala Tree House lodge		Local communities based nature tourism site
		8-10pm	Rest evening and BBQ dinner	Yala Tree House	Cultural programme
12 SAT	24/09/16	8am	Breakfast		
			Free time		Optional visit to Yala National Park, depending upon the interest of the participants
		10am	Travel to Mirissa (Lowland Wet Zone)		Mirissa is 100 kms from Hambantota
		1pm	Lunch enroute		
		Evening	Explore Turtle conservation projects and conservation of marine protected areas		with the help of resource persons
		8.30pm	Dinner		
13 SUN	25/09/16	6am-1pm	Whale Watching tour + discussion on Marine mammal conservation	Mirissa Fishing Harbour	
		2pm	Travel to Colombo		Lunch enroute
					Colombo is 150 kms from Mirissa
		4.30pm	Reach Colombo	Accommodation place to be decided	
			Dinner and closing session+ Feedbacks	Otter's swimming Club or alternative location	
14 MON	26/09/16		Free time in Colombo; Departure for Kolkata		

Study Tour Budget (10 Pax)

Cost Item	Total Cost (USD)	Total (SLR)	Total Cost (INR)	Remarks
International Travel expenses				
Flight Cost			300000	For 10 persons; May change according to airline, season & time of booking (INR 30000 x 10)
Visa	300			Single entry Business visa for 10 persons (USD 30 x 10)
Insurance			15000	Estimate based on premium for travel insurance by ICICI lombard; Varies according to Age Group; for 10 persons (1500 x 10)
Lodging expenses (Colombo & Field)		605000		May vary with season and time of booking
Boarding expenses		387500		
Per Diem	2100			Calculated @ USD 75; 20% of which is payable (USD 15 x 14 x 10)
Local Travel Expenses		301000		Hired Coach
Fee for local Resource Persons / Facilitator		450000		
Park entry fees & ticket		144000		
Workshop including Hall rental		60000		
Miscellaneous		30000		Entrée package (Toiletries, health care items, guide book, information material on sites, local sim card with voice and data, stationaries)
Administrative Charges		200000		
Contingency (Participants)	2000			for unforeseen expenses, @ USD 200 per participant for 10 participants
Total	4400	2177500	315000	
Total Expenses in INR		1661600		1 USD = INR 68.5; 1 SLR = 0.48 INR

Detailed Budget for Study Tour (10 Pax) submitted by TERN

Day	Description	COSTS				Notes
		Rate SLR 2016	Days	Pax	Total SLR	
	Accommodation					on sharing basis
1	Galgamuwa Rest House	3500	1	10	35000	
2,3,4	NWTC Bungalow	1500	3	10	45000	
5,6	SLFI Guest house	3000	2	10	60000	
7	HPNP Thimbiriyamankada Bungalow inside the park	8500	1	10	85000	*inclusive of entry ticket
8	UWNP Bungalow inside the park	8500	1	10	85000	*inclusive of entry ticket
9	Pokunuthenna Bungalow inside the park	8500	1	10	85000	*inclusive of entry ticket
10	Hambanthota Guest House	5000	1	10	50000	
11	Yala Tree houses	5000	1	10	50000	
12	Mirissa Guest house	5000	1	10	50000	
13	Colombo Hotel	6000	1	10	60000	
	Transport					
	Mini bus	12000	13	1	156000	
	Luggage vehicle	85000		1	85000	
4,9,12	Safari Jeeps	10000	3	2	60000	Two Jeeps
	Entry Fees					
4	Park Entrée Fee	2700	2	10	54000	This is for Minneriya NP only, Udawalawe and Horton Plains included in the bungalow fee
9	Elephant transit home	500	1	10	5000	
13	Whale watching	8500	1	10	85000	
	Meals	2750	13	10	357500	Calculated per diem basis, includes three main meals, morning and evening coffee/tea and snacks
11,13	Farewell dinner and BBQ dinner	15000	2		30000	Extra cost for special meals in addition to per diem
	Hall chargers and events					
3	Inauguration		1	1	50000	Refreshments and lunch for delegates

6	SLFI auditorium		1	1	10000	
	Miscellaneous items					
1	Entrée package	3000		10	30000	(Toiletries, health care items, guide book, information material on sites, local sim card with voice and data, stationaries)
	Resource person fees					
	Honorarium and transport for resource persons				450000	All resource persons, teaching and field assistants
	TERN administrative fee				200000	
	TOTAL				2177500	

Letter of Invitation from TERN

attached