

Project Proposal

On

Improved Conservation of DDWS ensuring Sustainable Livelihoods Improvement Activities for Community Patrol Groups



Submitted to



নিসর্গ নেটওয়ার্ক

Integrated Protected Area Co-management Project –IPAC
House # 68, Road #1, Block –I, Banani, Dhaka , Bangladesh

Submitted By

Dudpukuria Co-management Committee
Dudpukuria- Dupachari Wildlife Sanctuary,
Dudpukuria, Rangunia. Chittagong

1. Title: Improved Conservation of DDWS ensuring Sustainable Livelihoods Improvement Activities for Community Patrol Groups

2. Executive Summary

The livelihoods of many people in Bangladesh and worldwide are closely connected to forests. People rely on forests to fulfill a number of important functions. Forests safeguard environmental services that communities depend on by protecting water sheds, preventing erosion, and assuring a relatively steady source of water flow for agriculture. Forest helps many people to meet their subsistence needs with wild foods, wood to fuel fires, medicinal plants, and materials building infrastructure and business productions. So, forests offer a range of economic benefits and opportunities. Additionally, Forests have cultural and spiritual significance and contribution to people's lives in non-monetary ways. With all these in mind, it is important to tie the climate change with food security to conserve Bangladesh's nature.

Dudpukuria- Dhopachari Wildlife Sanctuary (DDWS) was established in 2010, and the sanctuary comprises with total 4716.57 hectares areas. The sanctuary is situated along with the borderline of Chittagong, Rangamati and Bandarban districts. The Wildlife sanctuary is located in the reserve forests of Khurusia and Dohazari Forest ranges under Chittagong South forest division. The co-management initiatives including the local stakeholders and Government has been initiated here to conserve the forest and future generation. In this relation, the first CMC under the Dudpukuria-Dopachari Wildlife Sanctuary recently formed. To strengthen the co-management initiatives, Dudpukuria Co-Management Committee is going to submit a project proposal to the Integrated Protected Area Co-Management Project-IPAC, an USAID/Bangladesh's - Environmental Program contributes to sustainable natural resource management and enhanced biodiversity conservation in targeted forest and wetland landscapes with the goal of preserving the natural capital of Bangladesh while promoting equitable economic growth and strengthening environmental governance. IPAC is implemented by the Ministry of Environment and Forests (MoEF), and Ministry of Fisheries and Livestock (MoFL), through a consortium of partners led by International Resources Group (IRG).

IPAC introduced the Collaborative Management or co-management approach that shares management responsibilities, benefits and decision-making powers for the conservation of Protected Areas among key stakeholders. As a tool to achieve the broader objective of Biodiversity conservation, IPAC is continually granting Landscape Development Fund to strengthen capacity of CMCs for sustainable natural resources management that includes alternative livelihoods activities for forest and wetland resources dependent communities.

The project titled **"Improved Conservation of DDWS ensuring Sustainable Livelihoods Improvement Activities for Community Patrol Groups"** is aimed to create alternative income generation opportunities to forest dependent communities. To keep off pressure on protected areas by providing sustainable income generation support to forest dependent communities like community patrolling groups/village conservation forum members who are residing in and around the PA. To raise capacity of co-management committee on project implementation and process of functioning co-management approach. Taking back forest dependent people from forest to non forest related business on different alternative value chain trades.

It is very much cleared that majority household are landless and hardly living with own homestead land. They have no cultivable land for livelihood. Food deficit are very common to CPG/VCF member and lower middle class households. It varies from season to season. It depends on availability and scope of alternative source of income. They take loan from various credits providing NGOs are living with vicious cycle of poverty. They remain under poverty line becomes tense to do forest offense to back their weekly payment to NGO's. There are 60 CPG & VCF members will get support from the proposed project that is living in and around PA and landscape.

The biodiversity of forest of DDWS are disappearing rapidly due to population pressure, proper management, unauthorized utilization etc. Biodiversity influences peoples economic, social and cultural development and hence their quality of life. The CMC has been working for increase productivity, improve resource management and encourage more effective community awareness and involvement. The major goal of the CMC is to prepare local communities to take responsibility for the long-term management of natural resources and to reduce dependency of its uses.

3. Logical framework

Components

Project summary	Measurable indicators	Means of verification	Assumption and risks
<p>cÖKtii jtt cvnviv`tji m`m`t`i weKí Avtqi gva`tg GjvKvi eb I Rxe%ewPí` msiY Kiv </p>	<p>3wU cyKyti grm`Pvl Kiv nte DcKvifvMxt`i emZwfUvq 600wU Avg^acvwj,300wU tcviv, 400wU evuvk Ges cÖKí GjvKvq tcutc Pviv I tgsGygx mewR Pvl Kiv nte </p>	<p>cÖKí GivKvq 3wU grm`Pvli cyKzi_vKte DcKvifvMxt`i emZwfUvq dtji MvQ I tgsGygx mewR _vKte DcKvifvMxt`i weKí Kg@ms`v`tbi mythvM I Avq e,,wx cvte </p>	<p>cÖtZ`K DcKvifvMx wbR wbR `vwqtZi Zvt`i emZwfUvi dtji Pvivi cwiPP@v, mewR Pvli iYvteY I hZoe tbtel </p>
<p>cÖKtii Dtik` - e`tbi Avtkcvtk emevmKvix `vbxq RbtMvóxtK eb iYvq maú,³ Kivtvl - e`tbi Avtkcvtk emevmKvix `vbxq RbtMvóxi e`tbi Dci wbf@ikxjZv Kgvvtvl - weKí Kg@ms`v`tbi mythvM m,,wól - eb cvnviv`j I wfwmgd m`m`t`i A_@%bwZK Kg@KvtU maú,³ Kivi gva`tg m`m`t`i A_@%bwZK Dbceqb - eb I eb`cÖvbx msiYtbt `vbxq RbtMti m`PZbZv m,,wól - Rjevqy cwiez@tbi úgwK tgvKvtetjvi `Yzv `Zix </p>	<p>- mn-e`e`vcbv cwilt` AvtjvPbv I wmxvš— tgvZvtetK m`m`t`i ZvwjKv `Zix I cwievifwEK Z_` msMÖn Kiv - cÖKí cÖ`—vebv %Zix I cÖ`vb - cÖKtii evwl@K cwiKibv `Zix - grm` Pvl cÖwkY Gi ZvwjKv `Zix - Avg^acvwj, tcviv, evuvk, tcutc Pviv I tgsGygx mewR Pvli Rb` lwiqt`Ukb t`qv </p>	<p>- m`m`t`i ZvwjKv `Zix I cwievifwEK Z_` msMÖn n`qtQ - cÖKí cÖ`ívebv `Zix n`qtQ - grm` Pvl cÖwkY AskMÖnYKvixt`i ZvwjKv `Zix n`qtQ - Avg^acvwj, tcviv, evuvk, tcutc Pviv I tgsGygx mewR Pvli Rb` lwiqt`Ukb t`qv n`qtQ - gvwmK I `lgvwmK AMÖMwZ cÖwZte`b `Zix n`qtQ - gvwmK mfvi weeiYx eb, grm`, wmgwm I AvBc`vK cÖKí eivei cÖ`vb - wbgwZ e`vsK wnmve weeiYx cÖ`vb -wbgwZ cÖKtii Avq-e`q I jvf-`wZi wnmve m`m`t`i AewnZKiY - gvwmK I %lgvwmK dtjvAvc - cÖKtii wewfbœ Kvh@µtgi Qwe </p>	<p>- `vbxq RbtMvóxi e`tbi Dci wbf@ikxjZv n&avm cvte - GjvKvq gvQi Drcv`b evo`te - GjvKvq Avg^acvwj, tcviv, evuvk, tcutc Pviv I tgsGygx mewRi Drcv`b e,,wx cvte evo`te -GjvKvq emevmKvix RbtMvóxi cywói thvMvb evo`te - RbtMtiYi wPwKrm&v e`q Kgte - RbtMti Mo Avhy e,,wx cvwe - cÖvK...wZK `yth@v`M gvQi Drcv`b e`vnZ n`tZ cvti - eb` nvwZi Avµgb n`tZ cvti </p>
<p>djvdjt - e`tbi Dci `vbxq RbtMvóxi wbf@kxjZv Kgte - miKvi I RbtMtiYi gta` thvMm~l `vwcZ nte - GjvKvi RbMY eb, cwitek I Rxe %ewPí` msiYtbi Rb` m`PZb nte - eb wbf@i RbtMtiYi weKí Kg@ms`vb I Avw_@K Dbceqb nte - `vbxq ch@vtq Drcv`b evo`te Ges RbMY Gi mydj cvte - eQtí 8640 tKwR</p>	<p>-eb cvnviv tRvi`vi nte - cÖvK...wZK eb m,,wól nte -cicvLxi msL`v evo`te -GjvKvq wewfbœ cÖRvwZi MvQ I Rxe `ewPí` msiYZ nte -AvBc`vK cÖKí, ebwefvM, cwitek I grm` wefvMmn miKvtii Ab`vb` wefvtMi mv` `vbxq RbtMtiYi thvMm~l `vwcZ nte - wm Gg</p>	<p>- DcKvifvMxt`i wbtq gvwmK wfwEtZ 12 wU mfv AvtqvRb Kiv nte - gvwmK mfvi Kvh@weeiYx AvBc`vK cÖKí, ebwefvM I grm` wefvtM cÖ`vb Kiv nte - Bmy`wfwEK (cÖKí) Qwe I Abv`b` welq msiY Kiv nte - 150 tWwmtgj Kti 3ÖwU cyKzi %Zix Ges cyKzi gvwtjKi mv` AvtjvPbv mv`tct` 3 eQi tgv`x Pzw`cl_vKte - 60 Rb wmwcr m`m`t`K grm` Pvli Dci cÖwkY cÖ`vb I `Yzv Dbceqb Kiv</p>	<p>- tivM evjvBtqi KvtiY gvQi Drcv`b Kg n`tZ cvti - cÖvK...wZK `~thv@M I wKUCzstMi Avµgtbi KvtiY dj I mewRi dtbt e`vNvZ NUtZ cvti </p>

<p>gvṽQi Drcv`b nṽe hvi Avw_©K g~j 10,36,800 (`k jṽ QqwGk nvRvi AvUkZ UvKv) Ges bxU jvf 5,86,800/= UvKv - dj, evuk I ṽgSmygx mewR wewṽ Kṽi ermṽi AvbygvwbK 1,00,000/= UvKv GK jṽ) Avq nṽe </p>	<p>wm,AvBc`vK cÖKí, eb wefvM I grm` wefvM D³ cÖKí mve©ṽwbK ch©ṽeṽb Kiṽe Ges ev`—evqṽbi Rb` me©vZṽK mnṽhvwMZv Kiṽe Ges AMÖMwZ cÖwZṽe`b ṽck Kiv nṽe - DckviṽfvMxṽi Avw_©K Avq ṽeṽoṽQ - eṽbi Dci `vbqx RbMṽYi wbf©iZv KṽgṽQ - grm` I G`vṽMÖv dṽiwó`i gva`ṽg 60 wU wmwcvR cwievṽi m`m`ṽi Avw_©K `^QjZv wdṽi Avmṽe </p>	<p>nṽe - evw©l©K cwiKíbv i Abyhvqx 4-6ÖÖ mvBṽRi 18000 wU ṽcvbv Dwj-wLZ 3wU cyKzṽi Qvov nṽe - eQṽi 8640 ṽKwR gvṽQi Drcv`b nṽe hvi Avw_©K g~j 10,36,8000/= `k jṽ Qqwṽk nvRvi AvUkZ UvKv) Ges bxU jvf 5,86,800/= UvKv -wZbwU cyKzṽi gvQ Pvṽli jvf eṽUṽbi nvi nṽe h_vṽṽg-1.cyKzi gvṽjKMY cvṽe bxU jvṽfi- 20% 2. wmGgwm cvṽe bxU jvṽfi - 10% 3. cieZx© eQi gvQ Pvṽli Rb` c~Yivq wewbṽqvM nṽe Aewkó g~jab I bxU jvṽfi - 50% 4. 60 Rb wmwcvR I wewmGd m`m`ṽi gvṽSeĒb Kiv nṽe Aewkó g~jab I bxU jvṽfi evKx 50% - dj I kvKme&wR wewṽ Kṽi ermṽi GK jṽ UvKv Avq nṽe hv DckviṽfvMxiv wbṽRiv ṽfvM Kiṽe </p>	
<p>Kvh©ṽg - grm` Awa`ṽi,ebwefvM I wmgwmi mvṽ AvṽjvPbv I Abyṽgv`b mvṽcṽṽ grm` Pvṽli Rb` cyKzi Ges dṽji evMvb Gi Rb` `vb wbe©vPb Kiv - DckviṽfvMx evQvB Ges ZvwjKv Pzovš—Kiv -DckviṽfvMxṽi cÖwKṽṽYi AvṽqvRb Kiv -grm` Pvṽli Rb` cyKzi cÖ`Z Kiv -cÖṽqvRbxq msL`vK ṽcvbv ṽq I Lv` msMÖn Kiv -cÖṽqvRbxh msL`vK djR MvṽQi Pviv , evṽkui Pviv I ṽgSmygx mewR exR msMÖn Kiv - cÖKṽi mṽú,³ m`m`ṽi wbṽq gvwmK mfv AvṽqvRb Kiv Ges cÖKṽi AMÖMwZ cW©vṽjvPbv Kiv - gvwmK mgš`q mfv</p>	<p>-cÖKí GjvKvq 3wU `vṽb grm`Pvi Kiv nṽe -DckviṽfvMxṽi emZwfUvq djR MvṽQi Pviv, evuk I cyKzi cvṽo ṽgSmygx mewR (ṽcṽc, jvD, wkg, kvK) ṽivcb Kiv nṽe -60wU cwievi cÖKṽi mvṽ mṽú,³ _vKṽe -mn-e`e`vbv KwgwUi m`m`ṽi mgš`q cÖKí ev`— evqb KwgwU MVb Kiv nṽe - cÖKí ev`levqb KwgwU wbqwgZ cÖKí cwi`k©b Kiṽe </p>	<p>-GjvKvq 3wU cyKzṽi grm` Pvi cÖKí Pjgvb_vKṽe - DckviṽfvMxṽi emZwfUvq 600wU Avg`cvwj MvQ.,300wU ṽcqviv MvQ, 400wU evuk I cyKzi cvṽo ṽcuṽc , jvD, wkg, I wewfbœ kvK _vKṽe ÑDckviṽfvMxMY Avw_©Kfṽe jvṽevb nṽeb Ges Rxebhvṽi gvb e,wx cvṽe -eb cvnviv KvṽR AwaK gṽbvṽhvMx nṽib -wmGgwm, GdwW I GjvKvi RbMY GB cÖKí mṽúṽK© AeMZ_vKṽe - GjvKvi RbMY eb, cwiṽek I Rxe %œwPí` msiṽṽbi Rb` mṽPZb nṽeb Ges mn-e`e`vbv Kvh©ṽg Gi wfwĒ`Zix nṽe </p>	

<p>Av†qvRb (ebwefvM, AvBcˆvK cÖKí, grmˆ wefvM wmGgwm) Kiv - mKj mˆmˆ wm.Gg.wm. mˆmˆ†i mv†_ Av†jvPbv mv†c†¶¶ Kg@cwiKíbv ˆZix Kg@cwiKíbv evˆ —evqb - cÖ†qvRbxq Avq- eˆ†qi wnmve ˆvwLj,jfˆvsk eˆUb eˆvsK wnmve cÖˆZ Kiv - wewfbœ msˆˆvi mv†_ wmGgwm wmwcvR mˆmˆ†i †hvMv†hvM e,,wx Kiv - evwl©K AwWU Av†qvRb Kiv </p>			
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4. Justification/ Background

Dudpukuria Co-Management Committee (CMC), as the organization is duly incorporated as per the Circular No. POBOMO/PORISHA-/NISHORGO/105 /STING/2006/398 of the Ministry of Environment and Forest, Planning Wing-4, dated 23 November 2009, which is published under Bangladesh Gazette, No 7 of the year 2010, and existing under the laws of the People’s Republic of Bangladesh with its registered office in Bangladesh, at the area of Dudpukuria-Dopachari Wildlife Sanctuary.

Dudpukuria-Dhopachari Wildlife Sanctuary (DDWS), established in 2010 as per the Wildlife (Conservation) (Amendment) Act of 1973, comprises total 4,717 hectares. The sanctuary is situated along with the borderline of Chittagong, Rangamati and Bandarban districts. The Wildlife sanctuary is located in the reserve forests of Khurusia and Dohazari Forest Ranges under Chittagong South Forest Division. The sanctuary, accessible from Chittagong metropolitan city by road, is surrounded by eight settlements of Bengali, Marma and Thanchyanga communities, harboring about 1,000 households. Most of the people depend on the sanctuary for their fuel wood, timber and minor forest products like bamboo and bush meat.

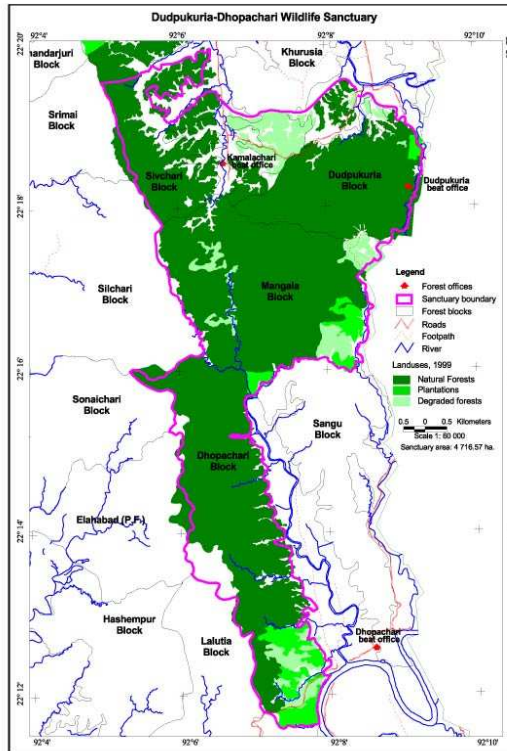
The area is especially well-known for tourism, Chittagong University of Engineering and Technology (CUET) in Bangladesh. The neighboring areas are now facing challenges due to illegal felling, forestland encroachment, tobacco cultivation, forest fires and livestock grazing. To conserve the forest and future generation, the PAs requires co-management initiatives to be taken with the local stakeholders and Government.

Dudpukuria CMC has been formed on 22 May 2011. The Council comprises of 63 different stakeholders including the representatives of ethnic minority people and Forest Department (FD). It has approved Constitution and Policy Manuals (Procurement, Travel & Perdiem , Personnel). The CMC represents participation of multiple stakeholders including 19 VCFs with 38 PF members, Civil Society, Local Elites, Local FDs, 2 CPGs with 56 members, 3 Nishorgo Clubs and other concerned and interested community people, with their specific role in participation to the co-management.

Forest Department maintains 3 Beats Offices and 2 Range Offices in Khurusia and Dohazari Ranges. Total 19 VCFs has been formed, 3 CPG groups with 56 members formed and active with collaboration with local Forest Dept.

CPG is the front line associated staff of the co-management process where CPG assisting to the forest department in patrolling. Role of CPG is usually meet to plan and prepare a ‘menu’ for village development and review the implementation of the plan by co-management organizations. CPG is also mandated to meet at least 12 times in a year; may meet more according to the necessary of community.

It is around 10% HHs have no secondary income source. The poor peoples become forced to incline on forest resources for livelihood. It is very much cleared from the PRA reports that about 80 % household are landless and hardly living with small homestead land their own. On the other hand 20% HHs has cultivable land and the rest HHs have no cultivable land. Food deficit are very common with the poor CPG member and lower middle class households. Food deficit varies from season to season. It depends on availability and scope of alternative source of income.



The project identified initially 60 mostly dependent HHs those who have no other option to cope for providing skill and input support for mitigating the situation. The proposed project “Improved Conservation of DDWS ensuring Sustainable Livelihoods Improvement Activities for Community Patrol Groups” includes supports for Pond fish culture with papaya seasonal vegetables (peas, beans, bottle- gourd and spinach) cultivation in the banks, Hybrid Fruits (Amrapali and Guava) and Bamboo saplings distribution to be raised at household level. The project site is located at Dudpukuria and Kamalchari beat under Kkurusia Range (On the periphery of DDWS). Most people of the surrounding villages of DDWS are Indigenous, illiterate, and socially, culturally, economically backward. They are not involved in any permanent profession and so their income is low.

The forests of Bangladesh including Dudpukuria are disappearing rapidly due to mainly population pressure, encroachment, fuel and timber wood collection. Biodiversity influences peoples’ economic, social and cultural development and hence their quality of life. The knowledge, culture, traditions, innovations and indigenous management practices of the communities and traditional practice of farmers and rural communities concerning biodiversity are being threatened in Bangladesh by the destruction of forests resources, pollution of natural habitats and failure to recognize the social, economic and cultural value of biodiversity.

Dudpukuria is very much renowned for different types of vegetable production, agriculture, pond fish culture, bamboo and handloom products and Jhum cultivation practiced by ethnic people. The targeted participants have experience and skill on various trades mentioned above. However, they are mostly illiterate and unemployed and they don’t have working capital, so they have been traditionally dependent on forest resources of DDWS for their livelihood.

In relation to the above, CMC has taken initiative to support the CPG and VCF members with alternative livelihoods improvement activities including Project awareness, promotion, and demonstration activities, and also to help conserving and enriching biodiversity, as a result of

increased earnings and employment to forest users. This will be fully consistent with the objective of Integrated Protected Area Co-management (IPAC) Project as well.

5. Description of the Proposed Project

Objectives:

Major and lasting objective of this project is to restore and maintain the Dudpukuria-Dopachari Wildlife Sanctuary's forests both buffer and core zone and its constituent biodiversity in the best possible condition. Specifically, the following key objectives will be achieved during the restoration plan implementation period of one year:

- Contribute to the greater biodiversity conservation through ensuring alternative livelihoods improvement activities i. e fruit bearing and bamboo saplings raising, pond fish culture with seasonal vegetable cultivation (Papaya, peas, beans, bottle- gourd and spinach)
- Promote alternative livelihood practices among the community people by providing them with technical and financial support.
- Ensure sustainability of the CMC, and VCFs in the co-managed PAs establishing adequate linkages to future funding .
- Adapt to the Global Climate Change vulnerabilities

Major ACTIVITIES

The proposed major activities of the project outlined as the following:

1. 60 Households (54 CPG members and 4 VCF members) will be provided supports for raising Hybrid fruits (Amrapali & Guava) bearing trees and Bamboo sapling individually.
2. They will be supported for Fish Culture linked with Papaya cultivation in 3 groups in 3 ponds, with a minimum benefit sharing to CMC, and re-investment continuation process.

Details of Sub Activities:

In doing the following steps and processes to accomplish the proposed project activities, the IPAC Site Team, the CMC and local FD stakeholders will jointly decide and be involved based on regular sharing and communication to each others:

- **Proposal preparation and submission:** Proposal preparation, sharing with key stakeholders and proposal submission will be held based on Consultation and decision regarding LDF proposal in the CMC meeting, upon Feasibility study and consultation with local community, CPGs, GOB departments and VCFs members.
- **Group Formation:** The CPG/VCF members will be grouped according to their income generation support.
- **Training/orientation/meeting:** Training, orientation and various meeting will organize to provide on the desired components. One batch capacity building training on fish culture will organize and department of fisheries will provide technical support. One orientation will provide on agro forestry and seasonal vegetable cultivation. Also, FD and CMC will provide necessary technical support and financial support will provided by IPAC project on a regular basis.
- **Group Savings:** The support from the project will be as working capital to them. They will start group savings in order to bring them on self-dependent. They will not go to micro finance institution for credit. It will help to break the vicious cycle of poverty from credit circle. A savings policy will develop by the respective members in this regards.

- **Support:** After the training or orientation the proposed (partial) support will be provided to the proposed project and the beneficiary contribute the rest of amount needed for the initial implementation.
- **Meeting:** The participants under the said project will sit in monthly meeting to keep them aware of the project progress and up to date information. CMC member will participate their meeting as observer to know their progress and situation.
- **Field Visit:** Project implementation committee (PIC) will frequently visit project sites and keep record to prepared monthly report for internal and external report.
- **Reporting:** The project implementation committee (PIC) will prepare monthly report and send to funding authority monthly and quarterly basis. After completion of project a final report will be prepared.
- **Audit:** The audit will carried out at ending the project activities from internal or external audit firm clearance from funding authority.

Intermediate Results:

- The project will meet the subsistence demand of the CPG and VCF members and enhance the livelihood that decreases the dependency on forests.
- A relationship build with forest and others department and community people will take responsibilities to conserve forest.
- Increase income of CPG and VCF members; Create alternative job opportunities in these areas.
- Encourage collective initiatives and increase production at local level that fulfills local demand.
- The forest and wildlife conservation of Dudpukuria- Dupachari Wildlife Sanctuary.
- CPG groups will be strongly committed to forest Conservation.
- Local initiatives will take to mitigate Climate change.
- Yearly 8,640 KGs fish and BDT 10,36,800/- (taka) will be earned.
- Yearly 1, 00,000/- Taka will be earn from agro forestry implementation .

Profit Calculation & distribution Summary:

Total Fish finger (4"x6")	18,000 Pcs
Less: 20% normally dead	<u>3,600 Pcs</u>
Stable Fish	14,400 Pcs
Production after One year (14,400x600 Grams)	= 8,640Kg
Sales Price Per Kg @120 Tk. x 8640 kg	= 10,36,800/-
Less: Investment (Grant amount-150000x3)	<u>4,50,000/-</u>
Net Profit	5, 86,800/-
Sales Amount distribution:	
Sales Amount	10,36,800/-
20% pond holder 5,86,800x20%(On profit)	les= <u>1,17,360/-</u>
Remaining Amount	9,19,440/-
10% CMC (Net profit)	<u>= 58,680/-</u>
Rest Profit and capital	8,60,760/-
50% Re Invest	= <u>4,30,380/-</u>
Rest Amount	4,30,380/-

Rest profit will be distributed to the beneficiaries.

OUTCOME OF THE PROJECT

- Biodiversity will be increased through effective conservation; Social mobilization and awareness on conservation issues among the participants will rise in the landscape area through continuous reinforcement of messages about the need of planting trees
- A working capital will be established and revolved by the targeted participants
- Participants will be adapted with the global climate change affects through scaling up alternative Livelihoods activities
- Financial and project management capacity of the CMC will be improved; Good working relationship with local GOB and other stakeholders will be strengthen
- The potential donors/sponsors will come forward for granting in near future

Methodology of Project Implementation

The project will be following a standard participatory approach in beneficiary selection, planning, procuring, implementing and monitoring of the proposed activities. According to decision taken in the subsequent meetings, project proposal has been developed and submitted to IPAC authority for approval. Once the proposal is accepted and approval is made, subsequent steps will be taken into consideration.

The Pond Fish culture and Agro forestry project design to enhance livelihood of CPG members and VCF members. It will be implemented with group approach under the close monitoring and supervision of CMC Dudpukuria, and the respective IPAC project and FD.

Three ponds already selected for pond fish culture with the consultation of community, CPG & VCF members and CMC and need to finalize to continue the project. An agreement will be signed with the respective pond owners. Agro forestry Project will be implemented at surrounding area of the pond and Homestead area of respective beneficiaries. Both initiatives (Fish culture and Agro forestry) will be for 2 years and after that both projects will run by the leadership of CMC and forest department.

All the project participants were selected from community patrolling group members and poor VCF member, by co-management committee from the landscape areas of Dudpukuria-Dopachari Wildlife Sanctuary.

Training/orientation of project participants is essential in laying a strong foundation for the development of conservation enterprise, which cannot be built without the help of technically skilled persons. The project will address specific training/orientation for the project participants on the selected alternative income generating activities, organizational development and management etc.

Monitoring and Evaluation System

Project monitoring is a process that will record achievements of its objectives and the work plan to show performance of the raised plantation and to identify any irregularities. The management team will form monitoring unit to facilitate this process.

This unit will carry out studies to ascertain, the community's perception about the project, factors responsible for motivating or hindering beneficiaries from participating in the project etc. The monitoring unit will make regular visits to the field and observe on what is being done. It will maintain progress records at different stages. The facilitators will use PRA tools to gather information and dispense the same to the beneficiaries.

Monthly work plan, monthly reporting, and completion reporting will be done by the CMC regular basis. Record for project staff and Care-takers as well as financial progress, materials register will be maintained by CMC. A visitor book may be kept so that all visitors can write their comments and feedback for further improvement of the project and its learning could be used during implementation of current and future projects.

The process of developing quarterly work plan will be participatory where key stakeholders will be involve, with facilitation from the project implementation team using group interview and field observation. There will be a project implementation committee, who will implement project activities with supervision on behalf of CMC of Dudpukuria.

Baseline data will be preserved as it will help to assist impact of the project as well as sustainability of the project. The Management committee will approve all income and expenditure. The ratio of net profit will allocate as mentioned earlier after completion of financial audit each year and 20 % of net profit will revolve for the sustainability of each project.

A mid term internal evaluation may be performed to see the track of the project and take corrective measures. Also, an end line survey after completion of the project will be done by CMC to measure the qualitative and quantitative achievement of the project. As part of regular technical services, IPAC team will arrange and conduct orientation/training for CMC on monitoring who will directly be implementing proposed activities.

- CMC will form a project implementation committee (PIC) selecting 5-7 member from committee for respective work area work (i.e. on project site basis). The committee will directly responsible the whole initiatives and they will submit the progress/problems or inform day to day progress to IPAC project, FD and Fisheries Department and CMC.
- Project implementation committee (PIC) will prepared a work plan and then they produce it to the monthly CMC meeting. It will be approved in CMC meeting. All activities will be executed following approved planed and guideline.
- The PIC will prepare a monthly report before meeting for following of every successive month.
- There will be cent percent of CPG member and rest others planned to be the beneficiaries from VCF who are with skilled on respective trades.
- Internal audit will be performed every month.

Communication and dissemination of results:

The communication methods will be applied over the beneficiaries involve directly and indirectly. The committee members will go to project areas and shared the outcomes activities with them. Project implementation committee (PIC) will arrange meeting at their office involving respective government officials, non government, and local authorities for focusing their activities performed successfully.

SI	Client/Target Stakeholders	Way of dissemination/Method of communication
1.	General people	Through installing a signboard
2.	VCF members	Discussion during monthly meetings
3.	Journalist	Meeting with local journalist and sharing the activities
4.	Upazila Govt. Officers including administration, FD, etc	In monthly Co-ordination meting it will be shared; Time to time visit

6. Work plan: A

Sl.	Activities/Sub Activities	August 2011-July 2012												Remarks	
		1	2	3	4	5	6	7	8	9	10	11	12		
A.	Pond fish culture														
1.	Detail planning (pond fish culture)														
2.	Selection of CPG members for pond fish														
3.	Agreement with pond														

Sl.	Activities/Sub Activities	August 2011-July 2012												Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	
	owners	■												
4.	A management committee form for Pond fish culture	■												
5.	Pond fish culture training	■												
6.	Pond prepared & start pond fish culture		■											
7.	Fish fry collection		■											
8.	Fish growth measurement		■			■			■				■	
9.	Spot Visit by the advisory committee		■		■			■			■		■	
10.	Monitoring of the Fish culture		■	■	■	■	■	■	■	■	■	■	■	
11.	Evaluation & Result												■	

Work plan: B

Sl	Activities/Sub Activities	August 2011-July 2012												Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	
A.	Agro forestry													
1.	Detail planning (Agro forestry)	■												
2.	Selection of CPG members for Agro forestry	■												
3.	Agreement with Land owners	■												
4.	A management committee form for Agro forestry	■												
5.	Agro forestry training	■												
6.	Land preparation		■											
7.	Sapling Collection and Planting		■											
8.	Nursing, weeding, and proper Maintenance		■			■			■				■	
9.	Spot Visit by the advisory		■		■			■			■		■	

SI	Activities/Sub Activities	August 2011-July 2012												Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	
	committee													
10.	Monitoring of the Agro forestry													
11.	Evaluation & Result													

7. Sustainability Plan:

As impact of the project, taking a landscape approach, co-management stakeholders will work together to manage a broad landscape for integrated conservation and sustainable development objectives. Protected Areas are managed as core conservation zones, with management activities limited to ecosystem and environmental services conservation, rehabilitation, restoration, and sustainable natural resources management. Broader landscapes adjacent to and beyond Protected Areas are managed for low-emissions based sustainable development based on the intensification of economic activities i. e agriculture, fisheries, agro-forestry and other sustainably managed value chains.

Project implementation team will hold regular visit and follow up progress of the project with beneficiaries and related stakeholders. These closed trust relation will link up ample opportunity to explain business that assists to earn sustainable income from targeted enterprise.

It is expected that all the CPG and VCF members will generate expected level of income from their business of pond fish culture with papaya cultivation, long rotation hybrid fruits bearing trees and bamboo saplings rising. Also they will make savings of surpluses to make a revolving working capital from their business. CMC will also receive a percentage from above group sources of livelihoods activities so they can continue their services effectively. Thus, beneficiaries will continually remain involved throughout the years and never go back to forest degrading activities.

So, the vision of institutional development including the project participants will initiate sustainable income generation that will reduce pressure to forest and the environment, increase biodiversity and create wealth to generate income in order to achieve the millennium development goals. Co-management approach will provide the greatest opportunity for effectively managing an expanding PA system in a manner that contributes significantly to resilience-based development, food security and Global Climate Change adaptation and mitigation.

The project will continue identifying stakeholders, exploring development partners from the Govt., private and non-government, Donor organizations to work with. Collaboration will provide efficient service delivery and sustain project activities after donor support.

Both projects (Fish culture & Agro forestry) will sustain as it is a very innovative initiatives for the CPG members. The CPG members are very energetic, hard working and committed to implement the project. Capacity will enhanced through Fish culture and Agro forestry training. Agro forestry (Fruit bearing trees Mango, Guava and Bamboo saplings) has longevity time. All Fruits have Local demand around the year. A lot of Fruits will product in this Area. FD, Fisheries department, CMC and IPAC project will monitor the project on regular basis that will help to smooth implementation of the project.

The Chairman and Union Parishad members who are living in the landscape area and FD and fisheries department have moral and technical support for the implementation of the project and they assured us that they would provide their full support to make the project successful. So this project is a realistic project in the area and will surely be implemented successfully. Moreover, the capacity of the CPG members will be enhanced according to the project i.e. training will be provided as per need.

8. Budget

Annex-1: Pond Fish Culture (Pond size- 150 Decimals Each Pond)

SI	Name of the Item	Quantity (Unit)	Quantity (Unit)	Unit cost	Total Grant Amount	Community contribution	Total Project Budget
1	Jungle cutting (pond fish culture)	person	10	200		2,000	2,000
2	Training cost (Materials and Snacks)	person	25	100	2,500		2,500
3	Trainer honorarium	person	4	250	1,000		1,000
4	Resource person honorarium	day	12	250	3,000		3,000
5	Water irrigation (Before ponds preparation)	hour	20	200		4,000	4,000
6	Water irrigation (After pond preparation)	hour	20	200	4,000		4,000
7	Soil digging (ponds preparation)	person	120	300	30,000	6,000	36,000
8	Materials for Ponds improvement and maintenance	kg	60	25	1,500	1,200	2,700
9	Cowdang	Kg	600	5	3,000		3,000
10	Lime	kg	234	15	3,510		3,510
11	Fish finger (4"x6")	Pcs	6,000	7	42,000		42,000
12	Fish feed	Kg	3,400	12	40,800		40,800
13	Watchman house (poll, Bamboo, son grass)				1,000	4,000	5,000
14	Bamboo for protection				1,000	2,000	3,000
15	Transport cost				1,000		1,000
16	Netting & Drainage				5,700		5,700
17	Administrative cost (with Audit)				10,000		10,000
18	Travel And Perdiem for LDF Management Committee					10,000	10,000
Total for 1 pond					150,010	29,200	179,210
Total for 3 Ponds					450,030	87,600	537,630

In word: Five lac Thirty Seven Thousand Six Hundred Thirty Taka Only.

Annex-2: Budget for Agro forestry

SI	Name of the Item	Quantity (Unit)	Quantity (Unit)	Unit cost	Total Grant Amount	Community contribution	Total Project Budget
1	Orientation on Agro forestry	Person	60	30	1,800		1,800
2	Mango Sapling	Pieces	600	60	36,000		36,000
3	Guava Sapling	Pieces	300	15	4,500		4,500
4	Bamboo Sapling	Pieces	400	10	4,000		4,000
5	Papaya Sapling and others vegetables seeds	Pieces	120	10	1,200		1,200
6	Carrying Charge						

					2,450		2,450
7	Organic Fertilizer (Cow dang)	KG	1,420	5		7,100	7,100
8	Bamboo Fencing					10,000	10,000
	Total				49,950	17,100	67,050

In word: Sixty Seven Thousand Fifty Taka Only.

Summary of the project budget:

SI	Name of the Item	Total Grant Amount	Community contribution	Total Project Budget
1	Pond fish culture	450,030	87,600	537,630
2	Agro forestry	49,950	17,100	67,050
	Total cost	499,980	104,700	604,680

In word: Six lac Four Thousand Six Hundred Eighty Taka Only.

9. Proposed Schedule for Fund disbursement:

Installment for Project Activities	Period (Month/ Year)	Estimated Cost	% of Grant Amount
1st Installment	Aug-11	374,985	75%
2nd Installment	Oct-11	124,995	25%
Total Disbursement		499,980	100%

In word: Four lac Ninety Nine Thousand Nine Hundred Eighty Taka Only.

10. Signature:

I, The undersigned Golam Kabir Talukder, President of Dudpukuria Co-management Committee Khurusia Range, Dudpukuria-Dupachari Wildlife sanctuary, Rangunia, Chittagong that is requesting financial assistance from the IPAC Small Grant component for the implementation of the proposed activity related to Pond Fish Culture & agro-forestry project for CPG member, certify that all the information in the grant application file is exact and correct.

Signature:

Date.....

INFORMATION ON THE ORANIZATION

Type of Organization (CMO): Dudpukuria Co-management Committee

Date of foundation: 22, May 2011

Address: Khurusia Range, Dudpukuria-Dupachari wildlife sanctuary, Village : Dudpukuria, Post Office : North padua PS : Rangunia Dist : Chittagong .

Telephone Number: 01740-934788

E-mail (if any):

Contact person: Mr. Golam Kabir Talukder

Position with the organization: Chairman

Contact persons address: Khurusia Range, Dudpukuria-Dupachari wildlife sanctuary, Village : Sukhbilash, Post Office North padua PS : Rangunia Dist : Chittagong .

Contact person's Telephone Number: 01740-934788

Management Committee of the organization that will be involved in the implementation of the project

Sl	Name	Designation in organization
1.	Mr. Rafiqul Islam	Member, CMC Dudpukuria
2.	Mr. Md. Salim	Member, CMC Dudpukuria
3.	Mr.Mofazzal Ahmed	Member, CMC Dudpukuria
4.	Mr. Golamur Raman	Member, CMC Dudpukuria
5.	Mr. Abdul Latif	Member, CMC Dudpukuria
6.	Mou Marma	Member, CMC Dudpukuria
7.	Mr. Hamidur Raman	BO Dudpukuria Member, CMC Dudpukuria

The following Beneficiaries will be engaged in the project: Village and Union wise List of Beneficiaries, as per following table:

SL	Name of CPG	Father's/ Husband's Name	Village	Category Male/ Female	Age
1	Md.Jahangir	Kabir Ahmed	Borosankhola	Male	27
2	Badsha Mia	Musa Mia	Borosankhola	Male	23
3	Sawkat Akber	Late Seraj Mia	Borosankhola	Male	25
4	Md.Solaiman	Md.Ibrahim	Borosankhola	Male	23
5	Abu Sayed	Md.Hossain	Borosankhola	Male	25
6	Tousa sing Marma	Santue Marma	Borosankhola	Male	20
7	Rustam Ali	Abdus Sabur	Borosankhola	Male	20
8	Md. Bacha Mia	Shumsu mia	Borosankhola	Male	25
9	Md. Hannan	Ali Ahmed	Borosankhola	Male	25
10	Pulu Marma	Salong marma	Borosankhola	Male	22
11	Md. Moutaleb	Late Rahamet Khan	Borosankhola	Male	35
12	Nurul Hoque	Abul Kashim	Borosankhola	Male	40
13	Monir Ahmed	Badsha Mia	Borosankhola	Male	35
14	Motiur Raman	Moniruzzaman	Borosankhola	Male	40
15	Ahmed Nabi	Late Amir Hossain	Borosankhola	Male	42
16	Abdur Rahim	Kamal Mia	Borosankhola	Male	35
17	Md. Yasin	Golamur Raman	Borosankhola	Male	20
18	Abdul Barak	Amir Khan	Borosankhola	Male	40
19	Aungsa tui Marma	Kulu Marma	Borosankhola	Male	25
20	Kumundi Marma	Mungtu marma	Borosankhola	Male	25
21	Bacha Mia	Ali Ahmed	Borosankhola	Male	28
22	Abu Tahir	Madan Khan	KamalaChari	Male	32
23	Nurul Hoque	Late Bazal Ahmed	KamalaChari	Male	40
24	Utaiprue Marma	Bainchi Marma	KamalaChari	Male	22
25	Abdul Alam	Abdus Satter	KamalaChari	Male	27
26	Abu Salek	Manir Ahmed	KamalaChari	Male	23
27	Md. Jahangir	Late Abdul Jalil	KamalaChari	Male	19
28	Nabir Hossain	Golafur Raman	KamalaChari	Male	20
29	Kayamu Marma	Nimu Marma	KamalaChari	Male	18
30	Md.Abdul Latif	Late Mofazzal Hossain	Kalichari	Male	43
31	Nurul Alam	Abdul Monaf	Kali Chari	Male	25
32	Jamal Hossain	Nurul Amin	Kali Chari	Male	30
33	Alamgir	Abdul Munaf	Kali Chari	Male	21
34	Abu Alam	Late Gulam Nabi	Kali Chari	Male	35
35	Md. Manik	Abdus Sukkur	Kali Chari	Male	18
36	Tofazzal Ahmed	Fazal Ahmed	Dudpukuria	Male	25
37	Amzad Ali	Amir hamza	Dudpukuria	Male	40
38	Nurul Alam	Nurul Islam	Dudpukuria	Male	30
39	Abbus Uddin	Sumsul Alam	Dudpukuria	Male	27
40	Md. Nasir	Late Munshi Mia	Dudpukuria	Male	32
41	Abdur razzak	fazal AHmed	Dudpukuria	Male	24
42	Ayub Ali	late Siddique Ahmed	Dudpukuria	Male	35
43	Abdul Gafur	Shamsul Alam	Dudpukuria	Male	34
44	Badsha Mia	Surut Alam	Dudpukuria	Male	26
45	Ishaque Mia	Abdul Latif	Dudpukuria	Male	35
46	Babul Khan	Anu Mia	Dudpukuria	Male	24
47	Md. Faruque	Abdul Latif	Dudpukuria	Male	27
48	Abbus Uddin	Ishaque Mia	Dudpukuria	Male	23
49	Ahmed Kabir	Abdul Momam	Dudpukuria	Male	42
50	Abdul Zabber	Abdul Motaleb	Dudpukuria	Male	26
51	Khursid Alam	Zabber Mulluk	Dudpukuria	Male	24

52	Md. Furkan	Leyaket Ali	Dudpukuria	Male	27
53	Abdul Jalil	Surut Mia	Dudpukuria	Male	36
54	Md. Harun	Asraf Zaman	Dudpukuria	Male	32
55	Amir Ali	Late abul Kashem	Dudpukuria	Male	35
56	Abu zafor	Abdul Motaleb	Dudpukuria	Male	45
57	Rafiqul Islam	Ali Ahmmed	Napit Pukuria	Male	45
58	Md. Salim	Anumia	Dudpukuria	Male	35
59	Shahab Uddin	Ashab Uddin	Dudpukuria	Male	40
60	Abu Bakker	Kala Mia	Dudpukuria	Male	40

RECORD KEEPING AND INTERNAL CONTROL

Bank Account No. 124-111-0000248-8

Title of Bank A/C: Dud Pukuria Sahababosthapona Committee

Type of A/C (CD/STD/Savings/others): CD

Name of Bank, and Branch: First Security Islami Bank ITD

Address: Dovashi Bazar Branch, Chittagong

Name and Designation of person (s) authorized to sign the cheques:

SI	Name	Designation in organization
1	Golam Kabir Talukder	Chairman
2	Golam Mustafa Gazi	Secretary
3	Abul Hossain	Treasurer

Plan for accounting, and other record keeping, documentation of the project activities. Also, describe your plan for internal control mechanism for finance, and assets. (Maximum ½ page)

The Dudpukuria CMC of DDWS will be responsible for overall fund management. There will be project implementation committee who will execute project activities. About ninety four percent fund of the project will be use for income generation supports and rest of the fund will be use as training and orientation. The CMC of Dudpukuria will play the vital role for disbursement and monitoring of the fund.

The Treasurer and Member Secretary will be overall in charge of the financial and accounting and reporting. In this regard existing procurement management guideline, financial guideline will be followed. The CMC of Dudpukuria will approve the Plan. How much money will be get by a beneficiary will be depend on IGA but there will be a ceiling so that maximum beneficiary can get chance to improve livelihood. People with the limited scope of alternative means of living will get an opportunity to lead their life in a better condition and support their family from food security.

- CMC have a manual book keeping and accounting procedure until such time CMC management decides to computerize the existing accounting system. The CMC office has maintained the following book of accounts and vouchers for day-to-day record keeping. , Cash Book, General Ledger, Stock Register (if required), Fixed Asset Register, Payment Voucher, Payment Voucher, Journal Voucher.
- No transaction is accepted as authorized unless is approved by the respective authority. The respective account officers will scrutinize the bills/vouchers of all the works of the projects. The scrutinized will be approved by Chairperson/President of Co management Committee. In the absence of Chairperson/President the person nominated by him will give the approval of the bills/vouchers.

- **Enclosures: one set photocopy**

1. Organizational Profile.
2. Certification of bank A/C provided by concerned bank
3. Meeting Minutes with Signature of Management Committee
4. Copy of the Policy Manuals (Constitution, Procurement, Travel & Perdeim, Personnel), which are provided by IPAC and **approved by the Management Committee.**