

15 -ാം കേരള നിയമസഭ

8 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 4679

13-03-2023 - ൽ മറുപടിയ്ക്ക്

സ്വയംസന്നദ്ധ പുനരധിവാസ പദ്ധതി

ചോദ്യം	ഉത്തരം
<p align="center">ശ്രീ. എൻ. ഷംസുദ്ദീൻ</p>	<p align="center">ശ്രീ. എ. കെ. ശശീന്ദ്രൻ (വനം-വന്യജീവി വകുപ്പ് മന്ത്രി)</p>
<p>(എ) സ്വയംസന്നദ്ധ പുനരധിവാസ പദ്ധതി നടപ്പാക്കുന്നത് കൊണ്ട് സംസ്ഥാനത്തെ വിവിധ സെറ്റിൽമെന്റുകളിൽ താമസിക്കുന്ന കുടുംബങ്ങൾക്ക് ഉണ്ടാകുന്ന പ്രയോജനം എന്തെല്ലാമാണെന്ന് വിശദമാക്കുമോ?</p>	<p>(എ) കേരളത്തിലെ വനങ്ങളിൽ ധാരാളം മനുഷ്യവാസ കേന്ദ്രങ്ങൾ നിലവിലുണ്ട്. മനുഷ്യ-വന്യജീവി സംഘർഷം, തുടർച്ചയായി സംഭവിക്കുന്ന പ്രകൃതി ദുരന്തങ്ങൾ, വികസന പ്രവർത്തനങ്ങളുടെ അപര്യാപ്ത തുടങ്ങിയ വിവിധ കാരണങ്ങൾ മുൻനിർത്തി വനത്തിനുള്ളിലെ ഇത്തരം മനുഷ്യവാസ മേഖലകളിൽ നിന്നും പുനരധിവാസത്തിനായുള്ള ആവശ്യം ഉയരുന്നുണ്ട്. റീബിൽഡ് കേരള ഡെവലപ്മെന്റ് പദ്ധതിയ്ക്ക് 14.11.2019-ലെ ജി.ഒ. (ആർ.റ്റി) 483/2018/പി&ഇ.എ നമ്പർ ഉത്തരവ് പ്രകാരവും കീഫ്ബി Phase II പദ്ധതിയ്ക്ക് 23.01.2020-ലെ ജി.ഒ (എം.എസ്) 2/2020/വനം വന്യജീവി, 02.08.2021-ലെ ജി.ഒ (എം.എസ്) 12/2021/വനം വന്യജീവി നമ്പർ ഉത്തരവുകൾ പ്രകാരവും ഭരണാനുമതി നൽകിയിട്ടുണ്ട്. പ്രസ്തുത ഉത്തരവുകളുടെ പകർപ്പ് അനുബന്ധമായി ചേർത്തിരിക്കുന്നു. കേരളത്തിലെ വനത്തിനുള്ളിൽ താമസിക്കുന്ന സ്വയം സന്നദ്ധമാവുന്ന ആദിവാസി-ഇതര കുടുംബങ്ങൾക്ക് അംഗീകൃത മാർഗ്ഗരേഖ പ്രകാരം ടി പദ്ധതിയിൽ അപേക്ഷിക്കാവുന്നതാണ്.</p> <p>കേരള വനം-വന്യജീവി വകുപ്പ് റീബിൽഡ് കേരള ഡെവലപ്മെന്റ് സ്വയംസന്നദ്ധ പുനരധിവാസ/ കീഫ്ബി ഫേസ് II എന്നീ സർക്കാർ പദ്ധതികൾ വിനിയോഗിച്ച് വനാന്തരങ്ങളിൽ ഒറ്റപ്പെട്ട് താമസിക്കുന്ന ആദിവാസി ഇതര ജനവിഭാഗങ്ങളെ മാറി താമസിക്കുന്നതിനുള്ള സാഹചര്യം ഒരുക്കുകയാണ് ഈ പദ്ധതിയിലൂടെ ലക്ഷ്യമിടുന്നത്. ഈ പദ്ധതി പരിശോധിച്ചാൽ ഭൂമിയുടെ വിസ്തൃതിക്ക് ഉപരിയായി ഇപ്രകാരമുള്ള പ്രദേശത്തു താമസിക്കുന്നവരുടെ സാമൂഹ്യസുരക്ഷ ഉറപ്പുവരുത്തുന്ന രീതിയിലാണ് പദ്ധതി രൂപകൽപ്പന ചെയ്തിരിക്കുന്നത്. പൊതുജനങ്ങളുടെ പൂർണ്ണസമ്മതത്തോടെ അവരുടെ ഭൂമി മതിയായ സാമ്പത്തിക സഹായം നൽകി</p>

(അർഹതപ്പെട്ട ഓരോ കുടുംബത്തിനും 15 ലക്ഷം രൂപാ വീതം) ഏറ്റെടുക്കുന്നത് വഴി മെച്ചപ്പെട്ട ആരോഗ്യം, വിദ്യാഭ്യാസം, തൊഴിൽ എന്നീ ജീവിതസാഹചര്യങ്ങൾ ഒരുക്കുക എന്നതാണ് മേൽപദ്ധതിയിലൂടെ ലക്ഷ്യമാക്കുന്നത്.

സെക്ഷൻ ഓഫീസർ



GOVERNMENT OF KERALA

Abstract

Planning and Economic Affairs (RKI) Department– Project proposals of Forest & Wildlife Department- Implementation- Administrative Sanction accorded– Orders issued.

PLANNING & ECONOMIC AFFAIRS (RKI) DEPARTMENT

G.O.(Rt.) No. 483/2018/P&EA

Thiruvananthapuram, Dated 14/11/2019

- Read: 1. G.O. (P) No. 16/2018/P&EA dated 09/11/2018.
2. G.O. (P) No. 19/2019/P&EA dated 23/05/2019.
3. Minutes of the 5th HLEC meeting held on 06/07/2019.
4. G.O. (Ms.) No. 25/2019/P&EA dated 13/08/2019.
5. Minutes of the 6th HLEC meeting held on 11/10/2019.

ORDER

In the aftermath of the flood of 2018, the Rebuild Kerala Initiative (RKI) has been entrusted with the task of planning and implementing a rebuilding strategy for the state as per the G.O. read as 1st paper above. As per the G.O. read as 2nd paper above, the Government had approved the Rebuild Kerala Development Programme (RKDP) which constitutes the State's strategic road map for a Green and Resilient Kerala. It encompasses cross-cutting and sector based recommendations on policy, regulatory and institutional actions as well as priority investment programmes that are critical for resilient and sustainable recovery and rebuilding of the state. The G.O. read as 1st paper above, also details the operational strategy and institutional framework which deals with deployment and utilization of funds for speedy execution of projects under RKI. The Institutional Framework of RKI is governed through:

- Council of Ministers
- Advisory Council
- High Level Empowered Committee (HLEC)

- RKI Implementation Committee (RKI-IC)

2. As per the operational guidelines and framework of RKI, it has been provided that the HLEC shall approve the project profiles submitted to it by the RKI-IC for placing before the Council of Ministers.

3. The Forest & Wild Life Department submitted the following project proposals with an estimated requirement of funds to the tune of ₹800 crore from the RKI. The proposals submitted by the Forest & Wild Life Department were placed before the HLEC in its meeting held on 06/07/2019. The estimated requirement of funds for the financial year 2019-20 is ₹130.40 crore.

Project Name	Total Approved Outlay (in Rs. crore)	Amount for 2019-20 (in Rs. crore)
Relocation of private settlements from forests	291.96	105.9176
Acquisition of private estates from within forest areas	385.31	18.8000
Consolidation of mangroves	120.00	5.14000
Feasibility Study and Scoping studies	5.98	0.54600
Grand Total	800.00	130.406

4. The HLEC, as per the minutes read as 3rd paper above, approved the project proposals and the same was placed before the Council of Ministers for consideration. As approved by the Council of Ministers, in-principle sanction was accorded for taking up of the project under RKI as per the G.O. read as 4th paper above. Consequently, the Forest & Wild Life Department submitted the Detailed Project Report in this regard.

5. Following are the salient features of the project.

Introduction:

There is enough evidence to show that Kerala is on the brink of a serious ecological crisis and urgent measures are needed to restore the situation. Consolidation of Kerala's forests and improving their functional capacity is going to be crucial in this regard. A well-preserved forests could retain excess rainwater, prevent extreme run-offs and reduce the damage from flooding. They can also help mitigate the effects of

droughts. They could regulate ecosystems, protect biodiversity, play an integral part in the carbon cycle, support livelihoods, and supply goods and services that can drive sustainable growth.

Forest fragmentation is a common consequence of human activities with impacts on habitat connectivity, tree dynamics, microhabitat conditions, and biodiversity. It results in changes in surface albedo, evapotranspiration and cloud cover, affecting the regional and global climate. Forest fragmentation also modifies canopy gap formation and dynamics. Forest habitat fragmentation resulted in critical loss of biodiversity affecting key ecosystem functions such as carbon and nutrient cycling, trophic interactions, and pollination which in-turn could result in altered hydrological cycle.

The ill-effects of forest fragmentation can be reduced by managing the issue in a flexible manner, adapted to local circumstances and would be approached as a social, as well as a technical issue, since natural disasters negatively affect human safety, and at a broader level with social, economic and political implications. Even though, the project per se may not be a revenue generating one, the indirect non-tangible outcomes would have far-reaching positive impacts on the social and economic implications of Kerala and the region in the years to come. The project would be addressing the larger issue of arresting forest fragmentation and consolidating the forest cover by focusing on the following activities.

1. Relocation of private settlements from forests
2. Acquisition of private estates from inside the forests
3. Consolidation of mangroves
4. Feasibility study on swapping the habitations of Forest dwelling Communities as a Strategy for Mitigating Human-Wildlife Conflict, Disaster-Risk Reduction and Improving Access to Livelihoods & Welfare Measures.

Apart from the above four components, as part of the initiative, two scoping studies viz. **(a)** “Scoping Study to Develop People-Inclusive Livelihood- Based Governance Strategy for the Long-Term Conservation of Mangrove Forests of Kerala”, and **(b)** “Scoping Study to Assess the Hydrological Services Provisioned by the Forest Ecosystems of Kerala” are also proposed.

Goal: The overall goal of the project is to consolidate the forested habitats of Kerala through relocation of private settlements inside forest areas to outside, acquisition of private estates within forest areas, consolidation of mangroves so as to arrest forest degradation and maximize the effectiveness of forest management and increased provisioning of ecosystem goods and services while alleviating human-wildlife conflict, improving climate resilience and disaster risk reduction for people living in such enclosures, at the same time providing better opportunities for fulfilling the developmental aspirations of people outside forest areas.

Objectives of the project are given under:

1. To reduce disaster-risk vulnerability and increase climate resilience for people living inside forest enclosures by relocating them to outside forest areas or to the periphery.
2. To increase the development prospects for people living inside forest enclosures (who have been deprived of development opportunities) by relocating them to outside forest areas or to the periphery.
3. To improve quality of intact, fragment-free, forest habitats for wild animals by vacating forest enclosures (human settlements/villages/private estates/leased out areas) and rationalizing Protected Areas' boundaries.
4. To reduce human-wildlife conflict in forest enclosures by relocating them to outside forests or rehabilitating them from the core to the periphery.
5. To understand the feasibility of swapping of habitations of forest dwelling communities as a strategy for mitigating human-wildlife conflict, disaster-risk reduction and improving access to livelihoods & welfare measures.
6. For increased shoreline stabilization, ground water recharge, flood and flow control, sediment and nutrient retention, habitat protection and biodiversity biomass and carbon sequestration, acquisition and consolidation of mangroves would be carried out.

COMPONENTS PROPOSED IN THE PROJECT:

Component 1 - Relocation of private settlements:

The relocation of settlements from inside forests to outside entails payment of adequate compensation. This compensation shall be the on the lines of the relocation package approved by NTCA for the voluntary relocation from Tiger Reserves.

For “Relocation of private settlements from forests”, it is proposed to have voluntary relocation, wherein an amount of ₹15 lakh would be given to each eligible family, as is being carried out in the Central Government approved NTCA model of voluntary relocation projects. (At present, the NTCA model provides ₹10 lakh per family whereas in the present scenario, an additional ₹5 lakh is also proposed considering the cost escalation. Further, the norm of eligible family would as per the relocation currently being done in Wayanad Wildlife Sanctuary).

The details of the human settlements proposed for relocation are as given under:

“Family includes a person, his/her spouse, minor sons and daughters, minor brothers, sisters, father, mother and other relatives residing with him/her and dependent on him/her for their livelihood”.

The following persons will be treated as separate families, even if they currently live together with other relatives.

- 1. Major son/daughter (over 18 years) irrespective of his marital status*
- 2. Sister more than 18 years of age*
- 3. Physically and mentally challenged person irrespective of age and sex.*
- 4. Minor orphan who has lost both his/her parent*
- 5. A widow or a woman divorcee*

The details of the human settlements proposed for relocation are as given under:

Sl. No	Division	Name of settlement	Total Extent (Ha.)	Total Number of families	No of eligible families	Total amount required (in lakh)	Remarks
A	Protected Area						
1	Shenduruny Wildlife	Rosemala	99.15	204	344	5160.00	The total area of the settlement is 169.90 ha and total eligible families are 344 who are willing to move out (Proportionate area of 99.15 ha).
		Kattilappara	11.60	33	54	810.00	
		Total	110.75	237	398	5970.00	
B	Outside Protected Area						
2	Marayoor	Puthuvettu	5.30	15	23	345.00	
		Edakkadu SC Colony	11.40	17	26	390.00	
		Edakkadu Colony	1.86	21	32	480.00	
		Karadi china para	45.66	12	18	270.00	
		Punavayal	13.09	20	30	450.00	
		Kundakkadacu	1.41	7	11	165.00	
		Total	78.72	92	140	2100.00	
3	North Wayanad	Pancharakolly	0.81	1	2	30.00	
		Maniankunnu	1.37	1	2	30.00	
		Kalliyottukunnu	1.21	1	2	30.00	
		Kalliyottukunnu	0.81	1	2	30.00	
		CRP Kunnu	6.86	47	70	1050.00	
		Muriyanthadam	0.81	1	2	30.00	
		Total	11.87	52	80	1200.00	
4	Kasargod	Kaneri	2.25	1	2	30.00	
		Karadukka, Kottamkuzhy	0.30	3	5	75.00	
		Adoor	1.10	2	3	45.00	

Sl. No	Division	Name of settlement	Total Extent (Ha.)	Total Number of families	No of eligible families	Total amount required (in lakh)	Remarks
		Muchaamthully					
		Ottamala	1.25	4	6	90.00	
		Thumbadukka	2.00	4	6	90.00	
		Kamballur	5.00	16	24	360.00	
		Vallakkadu	2.70	3	5	75.00	
		Balavathadukka	2.43	5	8	120.00	
		Total	17.03	38	59	885.00	

Abstract of the Relocation of Private Settlements from Forests is given under.

Sl No	Division	Extent (Ha)	Total number of Families	Eligible families	Total Amount required (in Rs. lakh)
A	Protected Areas				
	Shenduruny	110.75	237	398	5970.00
B	Outside Protected Area				
	Marayoor	78.72	92	140	2100.00
	North Wayanad	11.87	52	80	1200.00
	Kasargod	17.03	38	59	885.00
	Total	218.37	683	677	10155.00
	Restoration cost @Rs.2.00 lakh/ ha				436.76
	Grand Total				10591.76

Component 2 - Acquisition of private estates from within forest areas:

The details of the private estates proposed for acquisition with the extent and valuation by Revenue Authorities in Silent Valley NP and North Wayanad Divisions are given below:

Division	Name of the Estates/ enclosures	Extent (Ha)	Survey Number	Total number of Owners	Market value / Are (lakh)	Total value (lakh)
Silent Valley	Noor Acre EP Estate	40.469	1959/pt (Palakkayam Village)	8	0.08	323.7520
	Mannarkkad Rubber Estate	101.174	185/1 (Mannarkkad)	1	0.13832	1399.1908
North Wayanad	Malanthottam-Thirunelli Estate	6.8804				118.9600

Division	Name of the Estates/ enclosures	Extent (Ha)	Survey Number	Total number of Owners	Market value / Are (lakh)	Total value (lakh)
	Edayoor Thirunelli Estate Bit-1	0.226				13.9900
	Edayoor Thirunelli Estate Bit-2	2.9293				21.7000
	Edayoor Thirunelli Estate Bit-3	0.3561				2.6387
	Sub Total	141.643				1880.2315

Component 3 - Consolidation of mangroves:

Mangrove forests are vital coastal ecosystems dotting the seascape-landscape inter-phase which is the primary barrier against rising storm surges, coastal erosion, absorption of flood waters etc. They are also the major breeding grounds of marine fishery stock and hence play key role in regional economy. At the beginning of the 20th century, Kerala had extensive area under mangroves (100 km²) which is now reduced to just 21.12 km² in ten districts. So far, government has accorded legal protection for 4.40 km² area of mangroves only. The ownership of the remaining mangroves is with revenue, other departments, panchayats and private individuals. There is a need to protect them too.

Financial outlay required for the financial year 2019-20 – ₹5.14 crores. The details are as follows:

SI No	District	Taluk	Village	Location	Sy. No.	Approx. Extent in Ha	Cost Proposed (In lakhs)
1	Malappuram	Tirur	Mangalam	Pullooni Bit 1	111/1	1.46	14.60
2			Mangalam	Pullooni Bit 2	111/1	1.62	16.20

Sl No	District	Taluk	Village	Location	Sy. No.	Approx. Extent in Ha	Cost Proposed (In lakhs)
3			Mangalam	Pullooni Bit 3	112	1.18	11.80
4			Mangalam	Pullooni Bit 4	112	1.18	11.80
5			Mangalam	Pullooni Bit 5	112	1.42	14.20
6			Vallikkunnu	Anayara ngadi	263/3	1.21	12.10
7			Vallikkunnu	Heros Nagar	25/3	0.81	8.10
8			Vallikkunnu	Keezhayil	264/4	0.4	4.00
9		Kannur	Eezhom			0.35	3.52
10	Kannur	Kannur	Eezhom		66/3, 66/2, 65/4, 65/3, 68/3	0.33	3.324
11		Kannur	Kannadippa rambu		16/1	1.00	10.00
12		Kannur	Cherukunnu		80/1	2.00	20.00
13		Kannur	Cherukunnu		434/1	0.36	3.642
14		Kannur	Panninisseri		206/1	1.05	10.521
15		Thalassery	Dharmadam		66/1	1.00	10.00
16		Thalassery	Dharmadam		66/1	1.00	10.00
17		Thalassery	Dharmadam		66/1	1.00	10.00
18		Kannur	Narathu		190/1 B1	0.10	1.0117
19		Payyanur	Eezhom		63/14	0.22	2.2257
20		Talassery	Talassery		17/2 A	0.05	0.48
21		Talipparambu	Talipparambu		80/3	2.50	25.00
22		Talipparambu	Mayyil		234/5	0.14	1.416

SI No	District	Taluk	Village	Location	Sy. No.	Approx. Extent in Ha	Cost Proposed (In lakhs)
23		Talipparambu	Morazha		22	2.15	21.538
24		Talipparambu	Morazha		72	0.30	3.035
25		Talipparambu	Morazha		22	0.17	1.68
26		Talipparambu	Morazha		30/3	0.76	7.648
27		Talassery	Andalloor		46	2.50	25.00
28	Kollam	Kollam	Mandroturuth	Pattamuruth		15.70	157.00
29	Thrissur	Chavakad	Venmanadu		2/1	2.36	23.576
30		Chavakad	Venmanadu		3	3.48	34.80
31		Chavakad	Venmanadu		4/1	0.75	7.466
32		Kodungalloor	Pullut		388/4	0.86	8.60
33		Kodungalloor	Pullut		388/5	0.57	5.747
34		Kodungalloor	Pullut		388/7	0.11	1.052
35		Kodungalloor	Pullut		388/16	0.48	4.755
36		Kodungalloor	Pullut		388/16	0.42	4.249
37		Kodungalloor	Pullut		388/19	0.40	4.04
	TOTAL					51.41	514.13

Component 4: Feasibility studies:

Following studies are proposed to be taken up as part of the project.

No	Name of the study	Total cost (Rs. In crores)	Estimate for 2019-20 (Rs Crore)
1	Feasibility study on Swapping the Habitations of Forest-Dwelling Communities as a Strategy for mitigating Human-Wildlife Conflict, Disaster-risk reduction and improving access to livelihoods & welfare measures	2.73	0.221
2	Scoping study to Develop people inclusive livelihood-based governance strategy for the long-term conservation of mangrove forests of Kerala	1.64	0.164
3	Scoping study to access the hydrological services provisioned by the forest ecosystems of Kerala:	1.61	0.161
Total		5.98	0.546

1. Feasibility study on Swapping the Habitations of Forest-Dwelling Communities as a Strategy for mitigating human-wildlife conflict, Disaster – risk reduction and improving access to livelihoods & welfare measures:

Objectives:

1. To map the geographical location of all the tribal settlements of Kerala.
2. To assess the impact of flood and other climate change induced natural disasters on the tribal settlements of Kerala along with suggestive measures to mitigate it.
3. To map the current status of demography and Human Development Indices (HDI) of all the tribal settlements of Kerala with focus on their access to health, education, justice, development and other welfare measures, status of implementation of the Forest Rights Act.
4. To understand the current level of human wildlife conflict (WHC) in the tribal settlements of Kerala.
5. To understand and document the willingness of tribal communities for swapping the interior dwelling places to more suitable areas within the forests as a strategy to mitigate HWC, disaster risk-reduction and improving access to development & welfare measures.

6. To prepare a list of tribal settlements where there is willingness and requirement to move from interior to more suitable areas within the forests as a strategy to mitigate HWC, disaster risk-reduction and improving access to development & welfare measures.
7. To identify suitable alternate habitations inside the forests for those tribal communities who are willing to shift and where there is a need to do so.
8. To work out the modalities of appropriate rehabilitation package (financial, legal, infrastructural, administrative requirements etc.) for those settlements which are willing to move from interior to other suitable forest areas.
9. To prepare a strategy for post-rehabilitation hand-holding of tribal settlements.
10. To prepare detailed settlement-wise rehabilitation plans wherever the communities wish to move out and where there is a requirement.
11. To carry out detailed settlement-wise social, ecological, cultural and financial impact assessment of swapping the habitations of forest dwelling communities in Kerala as a strategy for mitigating human wildlife conflict, disaster-risk reduction and improving access to livelihoods & welfare measures and suggest measures to mitigate any potential risks and threats.

Financial forecast of the study will be as given under:

SI No	Component	Unit cost	Total Cost (Rs in lakh)
1	Professional fees to Consulting Agency (Team include Team Leader, Sociologists, Economists, Ecologists, GIS specialists, Field Workers etc.) for two years	1. Professionals – Rs.4.00 lakh x 24 months - Rs.96.00 lakh 2. Field Workers – 50 No x Rs.15000 x 12 months – Rs.90.00 lakh	186
2	Conducting Inception workshop (1 No), six monthly review workshops at HQs (3 no), Final workshop (1 no.), Regional and settlement wise meetings (1000 no.)	1. Workshops at HQ – 5 No. x Rs.1.00 lakh – Rs. 5.00 lakh 2. Regional and settlement-wise meetings – 1000 no. x Rs.5000 – Rs.50.00 lakh	55
3	Travel cost	Rs. 25.00 lakh	25
4	Preparation and Printing of Reports	Rs.7.00 lakh	7
Grand Total			273.00

Financial cost for the current year (2019-20) will be ₹22.10 lakh

2. Scoping study to Develop people inclusive livelihood-based governance strategy for the long-term conservation of mangrove forests of Kerala:

Objectives of the proposed study are as given under:

1. To map the geographical location of mangrove forests of Kerala in GIS domain.
2. To assess the role of mangroves in mitigating flood and other climate change induced natural disasters along Kerala coast.
3. To assess the total economic value of ecosystem services the mangroves of Kerala.
4. To work out a detailed institutional arrangement for the long-term conservation of mangrove forests of Kerala in particular and coastal and marine environment in general.
5. To carry out detailed region-wise social, ecological, cultural and economic impact assessment of acquisition as a strategy for conserving mangroves and suggest measures to mitigate any potential risks and threats.
6. To estimate the carbon sequestration potential of mangroves of Kerala
7. To document the current status of mangrove forests (species composition, threat perspective, ownership status etc.) of mangrove forests of Kerala.
8. To understand and document the social, ecological, cultural, economic, climate change mitigation and livelihood services provided by mangroves in Kerala.
9. To prepare a categorized inventory of various tenurial systems (government owned, Forest department owned, private owned etc.) of mangroves forests of Kerala.
10. To suggest potential areas and strategies of eco-restoration of mangrove forests in Kerala.
11. To develop appropriate livelihoods strategies for people living in and around the mangroves.
12. To prepare a compendium of best practices on resource-based conservation of mangrove forests from across the world that has potential replication value for Kerala.

13.To work out a detailed institutional arrangement for the long-term conservation of mangrove forests of Kerala in particular and coastal and marine environment in general.

14.To carry out detailed region-wise social, ecological, cultural and economic impact assessment of acquisition as a strategy for conserving mangroves and suggest measures to mitigate any potential risks and threats.

Financial forecast of the study will be as given under:

SI No	Component	Unit cost	Total Cost (Rs in lakh)
1	Professional fees to Consulting Agency (Team include Team Leader, Sociologists, Economists, Ecologists, GIS specialists, Field Workers etc.) for two years	1. Professionals – Rs.4.00 lakh x 24 months - Rs.96.00 lakh 2. Field Workers – 20 no xRs.15000x 12 months – Rs.36.00 lakh	132
2	Conducting Inception workshop (1 No), six monthly review workshops at HQs (3 no), Final workshop (1 no.), Regional and settlement wise meetings (100 no.)	1. Workshops at HQ – 5 No. x Rs.1.00 lakh – Rs. 5.00 lakh 2. Regional and settlement-wise meetings – 100 No. x Rs.5000 – Rs.5.00 lakh	10
3	Travel cost	Rs. 15.00 lakh	15
4	Preparation and Printing of Reports	Rs.7.00 lakh	7
		Grand Total	164

Financial cost for the current year (2019-20) will be ₹16.40 lakh

3. Scoping study to access the hydrological services provisioned by the forest ecosystems of Kerala:

Objectives of the proposed study will be as given under:

1.To quantify the hydrological services (water yield, retention, sustained supply etc) provided by various forest types of Kerala (evergreen, semi evergreen, moist deciduous, dry deciduous, shola-grasslands, Myristica swamps, mangroves etc.).

2. To assess and quantify the hydrological services provided by the forests of Kerala under varying degrees of disturbance (intact forests, plantations, fire-affected forests, degraded forests, grazing prone forests etc.).

3. To assess and quantify the hydrological services provided by the forests of Kerala under various governance arrangements (Protected Areas, Territorial forests, Community Conserved Areas, areas under the Joint Forest Management etc.)

Financial forecast of the study is as follows:

Sl.No.	Component	Unit cost	Total Cost (Rs lakh)
1	Professional fees to Consultants for three years	3. Professionals – Rs.2.00 lakh X 36months - Rs.72.00 lakh 4. Field Workers – 10 No X Rs.15000 X 24 months – Rs.36.00 lakh	108
2	Conducting Inception workshop (1 no), six-monthly review workshops at HQs (5 no), Final workshop (1 no.)	3. Workshops at HQ – 7 No. X Rs.1.00 lakh – Rs.7.00 lakh	7
3	Cost of equipment (GPS, GIS Software, Computers etc.)	1 Unit – Rs.15.00 lakh	15
4	Travel cost	Rs. 25.00 lakh	25
5	Preparation and Printing of Reports	Rs.6.00 lakh	6
Total			161

Fund requirement for the current year (2019-20) –**Rs.16.10** lakh

Out of the above studies, those mentioned at Sl.No.1&2 above will be awarded to an agency with requisite qualifications and expertise through an open, competitive evaluation process through the PMU. The monitoring and evaluation shall also be undertaken by the PMU through a competent agency. The overall period of the study shall be two years from the date of signing the contract.

With respect to the study at Sl.No.3, the study will be carried out through Centre for Water Resources Development and Management (CWRDM), Calicut (under the

Kerala State Council for Science, Technology & Environment) which has the requisite domain expertise to carry out this study.

PROJECT MANAGEMENT ORGANISATION :

(Institutional Arrangements for implementing the projects)

A 3-tier structure viz. a State Level Empowered Committee (SLEC), Project Monitoring Unit (PMU) and Regional Committees (RCs) with appropriate staffing will be put in place to monitor the implementation of the projects. In case of acquisition of private estates and mangroves from private owners the normal land acquisition procedure or Section 4(1) of EFL Act, 2003 shall be followed.

CONTRACT MANAGEMENT STRATEGY

The project components will be implemented following all relevant rules and procedures. No variation from the standard procedures and as approved by the HLEC/SLEC is envisaged. However, if there is any unforeseen deviation during the implementation phase, necessary orders from competent authorities would be taken before proceeding further. The institutional arrangement shall be as per the three tier structure approved in the DPR.

IMPLEMENTATION SCHEDULE & WBS

The project would be implemented in three phases.

Phase 1: Year 1 (1 Year) - Initiation Phase consisting of detailed study of the area, formation of various committees at different levels, interaction with beneficiaries etc.

The proposed activities during Phase 1 are as follows:

A baseline data collection would be carried out during Phase 1 (Initiation Phase). This could include a re-check and a reconnaissance Ground survey, collection of flora/fauna diversity details in the areas proposed for acquisition, a re-check on Socio-economic assessment of the people in project area, preliminary scrutiny of the legal status of land to be acquired and consolidated, securing permission/ consent from land owners/villagers and conduct basic study and prepare report for follow-up course of action on how to recuperate the area.

There could be an overlapping of activities proposed in Phase I and Phase II and acquisition procedures could be initiated in the first year itself, since this project is implemented in a fast track mode.

Phase 2: Year 2 to Year 4 (3 Years) - Implementation Phase

The proposed activities during Phase 2 are as follows:

Fixing price/ suitable package for each parcel of land, acquisition procedures including payment, title transfer mutation etc., taking over the secured land and issuing reserve notification

Phase 3: Year 5 to Year 7 (3 Years)- Follow up Action The proposed activities during Phase 3 are as follows:

Follow-up steps to recuperate the area, monitoring the secured land, assessing the socio-economic conditions of relocated villagers, if any and conduct study on changes in wildlife movement in secured areas, a comparison study on wildlife movement and changes in flora/fauna before and after acquisition of land and protecting the area.

Phase	Duration	Year of Implementation
Phase 1 (Initiation Phase)	1 year	2019-20
Phase 2 (Implementation Phase)	3 years	2020-21 to 2022-23
Phase 3 (Follow-up Phase)	3 years	2023-24 to 2025-26

STATUTORY CLEARANCES:

Statutory clearances/approvals, price fixation and acquisition procedures (as per relevant Acts and rules) will be followed regarding acquisition/relocation of private settlement and acquisition of private estates/mangroves. Apart from this, all mandatory clearances from relevant departments would be obtained as per rules in force.

6. The HLEC of RKI in its meeting held on 11/10/2019 has approved the Detailed project Report as detailed above and accorded sanction to issue Administrative Sanction for the same.

7. In the circumstances the Government are pleased to issue Administrative sanction for the implementation of the Project with the components as detailed in the above mentioned paras under the Rebuild Kerala Initiative by sourcing funds from the World Bank's Development Policy Loan. The expenditure shall be limited to ₹130.406 crore (Rupees One Hundred and Thirty Crore Forty Lakh only) during

the financial year 2019-20. Expenditure in this regard will be debited to the budget provision under H/A 5475-00-115-94-Post flood Projects under Rebuild Kerala Initiative (P).

**By order of the Governor,
Dr. VENU V.
PRINCIPAL SECRETARY**

To

The Principal Chief Conservator of Forests & HoFF
The Principal Accountant General (A&E/ Audit), Thiruvananthapuram
Information & Public Relations(Web & New media) Department (for publishing in
the Govt. Website)
Forest &Wild Life Department
Finance Department
SF/Office Copy [File No.RK11/120/2019-PLGEA]

Forwarded/ By Order,


Section Officer

Copy to:

Additional Chief Secretary, Forest & Wild life Department
Special Secretary to Chief Secretary.
All members of HLEC and RKI-IC.



GOVERNMENT OF KERALA



Abstract

Forest and Wildlife Department - KIIFB Project FOR001-00 - "Fencing Along Forest Boundary under the Special Investment Plan" Phase II - Revised Administrative Sanction accorded - Orders issued.

FOREST & WILDLIFE (D) DEPARTMENT

G.O.(Ms)No.2/2020/F&WLD Dated,Thiruvananthapuram, 23/01/2020

- Read:-
- 1) G.O.(MS) No.35/2016/F&WLD dated, 21/10/2016.
 - 2) G.O.(MS) No.40/2018/F&WLD dated, 13/09/2018.
 - 3) G.O.(MS) No.46/2018/F&WLD dated, 12/11/2018.
 - 4) G.O.(Rt) No.483/2019/F&WLD dated, 14/11/2019.
 - 5) G.O.(Ms) No.3/2020/F&WLD dated, 23/01/2020.
 - 6) Letter No.E&TW1-54448/2016. Dated, 28/12/2019 from Principal Chief Conservator of Forests (HoFF), Thiruvananthapuram.

ORDER

A detailed Project Report (DPR) was submitted by Forest Department for funding which was approved by KIIFB in 2016 as project "Fencing along Forest Boundary" for Rs.100 crore components. As per Government Order read 1st and 2nd papers above, Administrative Sanction was accorded for the project "Fencing Along Forest Boundary - Phase-I" for an amount of Rs.2506.80 lakh with KIIFB financial assistance.

2. As per Government Order read 3rd paper above, Administrative Sanction was issued for the phase-II of the project, wherein two major initiatives to address Human-Animal Conflict 'Crash Guard Steel Rope Fencing' and Voluntary relocation of eligible willing families from inside forest' were identified and incorporated, by deleting certain items in the original DPR like steel fence, stone pitched trench totally and rail fence partially. A summary of

works proposed under the Phase II project was as follows:-

Sl. No.	Name of Work	Length	No. of beneficiary families (Nos)	Amount required (Rs.in lakh)
1	Solar fence	136.70	---	246.06
2	Crash guard steel rope fence	42	---	2100.00
3.	Relocation of families	---	497	4970.00
4.	Elephant proof wall	0.30	---	45.00
	Total	179	497	7361.06

3. The Principal Chief Conservator of Forests & Head of Forest Force as per the letter read 6th paper above, it is reported that the relocation component of this project is the most relevant and effective one in containing the issues resulting from human-animal interface. There are many settlements willing to be relocated, but constraint of funds negate the process. The Department discussed this issue with CEO, KIIFB and it was agreed that the additional expenditure can be incurred for relocation with the only restriction that the expenditure as per the revised DPR shall not exceed the project sanction by ten percent. Accordingly, the package for voluntary relocation of eligible willing families is proposed in the four Forest Divisions viz; Kannur, South Wayanad, Mannarkkad and Thiruvananthapuram. This is an adapted model of the voluntary relocation package approved by the National Tiger Conservation Authority (NTCA) for voluntary relocation from villages in the notified core/ critical tiger habitation with modifications to suit the field conditions of Kerala.

However, the payment of the entire package to the eligible willing family will be the option without any compensatory land for rehabilitation/ relocation by the Forest Department. The compensation package under this model will be Rs.15.00 lakh per eligible willing family, which is the same package approved for the voluntary relocation of willing eligible families in Rebuild Kerala Initiative (RKI) as per the Government Order read 4th paper above.

In view of all the above, the Principal Chief Conservator of Forests & Head of Forest Force as per letter read 6th paper above, has also requested Government to issue revised Administrative Sanction for the Phase-II of KIIFB Project "Fencing along Forest Boundary" as follows.

Sl. No.	Name of Work	Length	No. of beneficiary families (Nos)	Amount required (Rs.in lakh)
1.	Solar fence	136.70	---	246.06
2.	Crash guard steel rope fence	48.00	---	2400.00
3.	Relocation of families	---	438	6570.00
4.	Elephant proof wall	0.30	---	45.00
	Total	185.00	438	9261.06

4. Government have examined the matter in detail, the Administrative Sanction for Phase-II was issued for Rs.7361.06 lakhs as per G.O read as 3rd paper above. The above proposal is to revise this project to Rs.9261.06 lakh. No new item is proposed in the revised Administrative Sanction. The additional expenditure as per the revised Administrative Sanction is Rs.1900.00 lakh i.e., Rs.300.00 lakh for Crash Guard Rope Fencing and Rs. 1600.00 lakh for relocation. However, this implies an escalation of Rs.1000.00 lakh only as there is a saving of Rs.900.00 lakh from rail fencing as per G.O read as 5th paper above and this is already agreed by the Chief Executive Officer, KIIFB as it is within 10% of the original project cost.

In the above Circumstances, Government are pleased to issue Revised Administrative Sanction for the project Fencing along Forest Boundary Phase-II for an amount of Rs.9261.06 lakhs by including Crash Guard Rope Fencing for 48 KM at total cost of Rs.2400.00 lakhs and voluntary relocation of eligible willing 438 families at a cost of Rs.6570.00 lakhs as per the adapted NTCA model as proposed above with KIIFB assistance.

The Government Order read as 3rd paper above stands revised to this extent only.

(By order of the Governor)
DR.ASHA THOMAS IAS
ADDITIONAL CHIEF SECRETARY

To:

The Chief Executive Officer Ex-Officio Secretary to Government, Finance (Infrastructure) Department, 2nd Floor, Felicity Square, MG Road, Statue, Thiruvananthapuram 695001.

The Principal Chief Conservator of Forests & Head of Forest Forces,
Thiruvananthapuram.

The Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden,
Thiruvananthapuram.

The Principal Chief Conservator of Forests (P&D), Thiruvananthapuram.

The Additional Principal Chief Conservator of Forests (FB&A),
Thiruvananthapuram.

The Chief Conservator of Forests (E&TW), Thiruvananthapuram.

The Principal Accountant General (A&E/Audit), Kerala, Thiruvananthapuram.

Information and Public Relations (Web & New Media) Department (for
uploading in Government website).

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Section Officer



GOVERNMENT OF KERALA



Abstract

Forest and Wildlife Department–KIIFB Project FOR001–00–“Fencing Along Forest Boundary under the Special Investment Plan” Phase II - Relocation Component Revised – Orders issued.

FOREST & WILDLIFE (D) DEPARTMENT

G.O.(Ms)No.12/2021/F&WLD Dated,Thiruvananthapuram, 02/08/2021

Read 1. G.O.(Ms) No.2/2020/F&WLD dated 23/01/2020

2. Letter No. E&TW5-54448/2016 dated 29/04/2021 from the Principal Chief Conservator of Forests and Head of Forest Force.

ORDER

As per the Government Order read 1st paper above , revised Administrative sanction was issued for the relocation of 438 families from private settlements within the forest areas of Kannur, South Wayanad, Mannarkkad and Thiruvananthapuram Forest Divisions at a cost of Rs.6570 lakh, as shown below, approved under the Project FOR001-00 "Fencing along Forest Boundary under the Special Investment Plan" Phase-II.

Sl.No	Location	Extent (Ha)	Number of Families	Number of Eligible Families units		Expected Cost for total eligible family units (Rs.in lakh)
				Based on Members	Based on Land (more than 2ha)	
Kannur Division						
1)	Kottiyoor	70.50	131	166	4	2550.00
2)	Ayyankunnu	2.35	2	2		30.00
	Total	72.85	133	172		2580.00

South Wayanad Division						
1)	Kollivayal	4.25	10	12		180.00
2)	Chullikkad	4.75	4	4		60.00
3)	Madaparambu	25.42	43	59	2	915.00
4)	Manalvayal	2.69	16	16		240.00
	Total	37.11	73	93		1395.00
Mannarkkad Division						
1)	Melekalam	40.30	25	54	9	945.00
	Total	40.30	25	63		945.00
Thiruvananthapuram Division						
1)	Vattakarikkam	7.39	18	28	2	450.00
2)	Channamala	1.45	9	12		180.00
3)	Mathrakarikkam	8.09	49	68		1020.00
	Total	16.93	76	110		1650.00
	Grant Total	167.19		438		6570.00

2. As per letter read 2nd paper above, the Principal Chief Conservator of Forests and Head of Forest Force reported that, the Divisional Forest Officer, Mannarkkad has informed that 63 families in Melekalam settlement are not willing to move out and therefore this settlement may be exempted from the approved list of relocation.

3. In the meantime, the Divisional Forest Officer, Thiruvananthapuram has requested to additionally include Dallikarikkam settlement in Kulathupuzha Village to the list of private settlements to be relocated in the Division since all the 126 eligible families in the settlement are willing to be relocated and that the consent of these eligible families have been received. Hence, the following modification is proposed for relocation of settlement under the project aided by KIIFB:-

Sl.No	Location	Extent (Ha)	Number of Families	Number of Eligible Families units		Expected Cost for total eligible family units (Rs.in lakh)
				Based on Members	Based on Land (more than 2ha)	

Kannur Division						
1)	Kottiyoor	70.50	131	166	4	2550.00
2)	Ayyankunnu	2.35	2	2		30.00
	Total	72.85	133	172		2580.00
South Wayanad Division						
1)	Kollivayal	4.25	10	12		180.00
2)	Chullikkad	4.75	4	4		60.00
3)	Madaparambu	25.42	43	59	2	915.00
4)	Manalvayal	2.69	16	16		240.00
	Total	37.11	73	93		1395.00
Thiruvananthapuram Division						
1)	Vattakarikkam	7.39	18	28	2	450.00
2)	Channamala	1.45	9	12		180.00
3)	Mathrakarikkam	8.09	49	68		1020.00
4)	Dallikarikkam	15	47	88	38	1890.00
	Total	31.93	123	236		3540.00
	Grant Total	141.89		501		7515.00

4. Government have examined the matter in detail and are pleased to exclude Melekalam settlement in Mannarkkad Division from the Government Order read 1st paper above and include Dallikarikkam settlement in Thiruvananthapuram Division from relocation under Phase-II of KIIFB project as tabled above. Thus, the total number of willing eligible families to be relocated are increased from 438 to 501 and the estimated expenditure is also increased from Rs.6570.00 lakh to Rs.7515.00 lakh. The additional amount required as per the present modification of relocation component can be accommodated within the total project cost (from the savings of existing project components) approved as per the Government Order read 1st paper above.

5. The Government Order read 1st paper above stands revised to the above extent only.

(By order of the Governor)
Rajesh Kumar Sinha
Principal Secretary

To:

The Chief Executive Officer Ex-Officio Secretary to Government,

Finance (Infrastructure) Department, 2nd Floor, Felicity Square, MG Road, Statue, Thiruvananthapuram 695001.

The Principal Chief Conservator of Forests & Head of Forest Forces, Thiruvananthapuram.

The Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, Thiruvananthapuram.

The Principal Chief Conservator of Forests (P&D), Thiruvananthapuram.

The Additional Principal Chief Conservator of Forests (FB&A), Thiruvananthapuram.

The Chief Conservator of Forests (E&TW), Thiruvananthapuram.

The Principal Accountant General (A&E/Audit), Kerala, Thiruvananthapuram.

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