

**Social Impact Assessment**  
***Study of***  
**Construction of Approach Road to**  
**Nayarambalam Herbert Bridge**  
**Nayarambalam Village of**  
**Kochi Taluk of**  
**Eranakulam District**  
**(0.0648 Hectares)**

**Draft Report**

24/11/2022

**Requisition Agency**  
***Kerala Road Fund Board***  
***(KRFB)***

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**KERALA VOLUNTARY HEALTH SERVICES**  
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# **CHAPTER 1**

## **EXECUTIVE SUMMARY**

### **1.1. Introduction – Project and Public purpose**

A bridge is a structure which is built over some physical obstacle such as a body of water, valley, or road, and its purpose is to provide crossing over that obstacle. It is built to be strong enough to safely support its own weight as well as the weight of anything that should pass over it. Bridges are very important since the beginning of human habitation, and its primary purpose is for people, cattle, and vehicles to cross safely and quickly from one side to the other. Bridges are usually built on top of rivers and canals but there are also bridges that cross canyons and other obstacles that could be man-made, like rail road tracks and other roads.

Herbert bridge is very old bridge connects Southern part of Nedungad Island to Njarakkal and Nayarambalam Panchayaths. This bridge was built by Sir Herbert Diwan of Cochin during the British rule in India. And later constructed narrow flyover for light weight four wheelers and for moving agricultural machineries. The Herbert bridge is situated thirty five kilo meters from the district head quarters and seven and six kilometers from Njarackal junction and Nayarambalam junction in Vyppin – Paravoor State Highway respectively. The Herbert bridge connects Nedungadu Island to Vypin Island in which state high way is going on. The Nedungad village is famous for paddy cultivation especially natural variety of paddy crop “Pokkali” and fish farming. The village is also famous for its tourist importance due to its situation between State High Way and National Water way – 3.

## **1.2 Location**

The location of the project area is situated in between State High way-66 and National water way – 3. The Project intended to strengthen the approach road of Herbert Bridge which connects Vypin Main Island to Nedungadu Island, which is a very old habitation island in Ernakulam District. The location is important for paddy cultivation and aqua culture. Because of backwater travel facilities, the area is famous for tourism industry also.

The Nedungadu Island is a land locked area by backwaters and Arabian Sea which has a population of 20,000. This Island is one of oldest habitation area of State and situated thirty five kilo meters from District headquarters and seven and six kilometers from Njarakal and Nayarambalam Junction through which state High way is going on.

## **1.3 Size and Attributes of Land Acquisition**

### **a. Land Acquisition Authority**

Special Tahsildar (LA) KIIFB Eranakulam prepares the acquisition details. Boundary stones were laid by requisition authority. Alignment sketch and plan were prepared by Kerala Road Fund Board. Deputy Collector (LA), Eranakulam is monitoring the acquisition process for District Collector.

### **b. Kerala Road Fund Board (KRFB)**

Kerala Road Fund Board, established in 2001 by the Government of Kerala, is a funding agency for providing financial assistance to the transport facility projects in the state; Kerala Road Fund Board plays a pivotal role in the overall infrastructure development of Kerala. Requirement of a professional and statutory body to take up the fund management of Kerala State Public Works Department has given shape to the Kerala Road Fund Board (KRFB). Constituted primarily to oversee and manage non-budgetary funds and to organize such funds for

developing and maintaining roads and other related infrastructure.

For mobilizing greater non-budgetary resources with the help of greater private sector partnership, the KRFB is entrusted with the responsibility of implementing developmental activities like:

- Managing the fund, monitoring and supervising the activities financed for road development
- Promoting Public Private Sector participation in infrastructural projects
- Funding feasibility studies for innovative road projects
- Constructing new roads wherever necessary
- Implementing Road Safety projects and campaigns for the safe and smooth movement of traffic
- Funding Research related to maintenance and development of roads
- Developing existing road network systems including upgrading roads maintained by the PWD
- Implementing futuristic projects like Rapid Transit Systems and Metro Rail Projects in Cities
- To raise funds by borrowing money necessary for the due discharge of its functions

KRFB considers them as the agency who helps to identify and promote effective measures of Kerala Roads on the basis of scientific research. Also work in areas which offer the greatest potential for a reduction in transport crashes and casualties and thereby ensure the safety of the public.

### **Details of the acquiring land**

The project area is located thirty five kilometers from the District Head Quarters and seven and six kilometers from Njarakal Junction and Nayarambalam Junction in Vypin – Paravoor State high way respectively. The Project land situated both sides of Herbert Bridge which connects Nedungadu Island to Vypin Island in which state High way is going on. The Nedungadu village is famous for paddy cultivation especially natural variety of paddy crop “Pokkali” and fish farming. The village is also famous for its tourist importance, due to its

situation between state high way and National water way – 3. 0.0648 hectares of land is notified to acquire for this project. Both low and high land nature of lands coming under acquisition. But due to the small quantity the acquisition may not affect the any land based activities like agriculture, aqua culture etc.

The acquiring areas are not having structures. Due to the nearness to the Njarakal – Nedungadu Road the acquiring land is having certain commercial importance also, in compared acquiring land.

### **Socio Economic and Cultural Profile**

Eight land owners and those who have land, residential properties or commercial establishments very close to the project land are considered as project affected persons listed in the study report. In this, eight land owners are directly affected by the project. Among them five members from one family and one each from the other three families included. All the affected land holders are belongs to middle class economic status. All of them have been holding the project land for more than fifteen years. Even if there are five people in a family affected by the project, the proper procedures related to their land have been completed. All the affected people are having other lands. The development benefits of the project are available for all the project affected persons. The educational status shows that all are literate. Seven of them are belongs to Christian community and one belongs to Hindu community.

#### **1.4 Alternatives Considered**

The project aims to strengthen the approach road of the bridge. So the proposed project is not having any alternatives.

#### **1.5. Social Impact**

The direct impact of the project is the loss of land of eight land holders. A teashop which is working very near to the existing approach road may affect by interrupt its access. Few coconut trees may also cut down for the project. But as a result of the

project more volume of tariff may happened and it may appreciated the land value and importance of the area. This will mitigate the socio – economic impact of the project by an extent. A small portion of the existing approach road, i.e., between the present acquisition land and road passing through Nedungad Island, will exist with the present width and this may affect the free travel of vehicles in this area. More over residence situated in this portion of road may need special safety attention.

### 1.6. Mitigation Measures

<b>Sl.No.</b>	<b>Risk Assumed</b>	<b>Approach</b>	<b>Mitigation Strategy</b>
1.	Loss of part of land	Compensation	Compensate the loss
2.	Loss of Agricultural Land	Compensation	Compensate the loss
3.	Loss of trees	Compensate & Control	Compensate the loss and plant equal number of trees in government lands.
4.	Involved in land acquisition process	Control	Ensure community participation in the whole process.
5.	Grievance	Control	Functional grievance redressal committee at village and district level.



## 1.7. Detailed Mitigation Plan

Potential Impact	Positive/ Negative	Likelihood	Magnitude	Pre-Mitigation Level of Impact	Post - Mitigation Level of Impact	Mitigation Strategy
Loss of part of land	Negative	Possible	Moderate	Medium	Low	Compensate the loss
Loss of Agricultural Land	Negative	Possible	Moderate	Medium	Low	Compensate the loss
Loss of trees	Negative	Possible	Low	Minimum	Low	Compensate the loss and plant equal number of trees in government lands.
Involved in land acquisition process	Positive	Possible	Minor	Low	Low	Ensure community participation in the whole process.
Grievance	Negative	Possible	Moderate	Medium	Medium	Functional grievance redressal committee at village and district level.

## 1.8. Assessment of Social Costs and Benefits

Since there is no loss of residence or structure by the project the impact may be scaled as very minimum. More over all the affected title holders are having remaining land with operational quantity

of area. Therefore the positive impact of the project appreciates their land value and it may mitigate the impact along with reasonable compensation. As mentioned in the impact a tea shop functioning near the project may impact the problem in its access after completion of the project. Considering the socio-economic status of the family running the business, the impact may affect their livelihood. So keeping in mind during the implementation and reinstating the access may mitigate the impact.

Few properties in between the proposed acquiring land and a Panchayath Road in Nedungadu is not coming under the acquisition process. A residential house is situated just near the present acquired area. The difference of Road width in the proposed project area and non project area of the existing road may raise some safety issue to the residence, if volume of vehicle increased after the implementation of the project. Consider it during the implementation and develop some safety cover to the residence. Land holders who are having agriculture and fish farm in the project area demanded free access to the land after completion of the project.

Therefore considering the greater public interest of the project and no chance of viable alternative. The Government can move ahead with the project.

**SAJU V ITTY  
CHAIRMAN,  
SIA UNIT**

## **Annexure**

- 1. Photographs – Field Investigation**
- 2. List of PAFs.**
- 3. Gazette Notification regarding SIA study**

## Annexure 1

നായരമ്പലം ഹെർബർട്ട് പാലം അപ്രോച്ച് റോഡ്  
നായരമ്പലം വില്ലേജ്, കൊച്ചി താലൂക്ക്, എറണാകുളം ജില്ല  
ഭൂഉടമസ്ഥരായ പദ്ധതി ബാധിതരുടെ പേര് വിവരങ്ങൾ

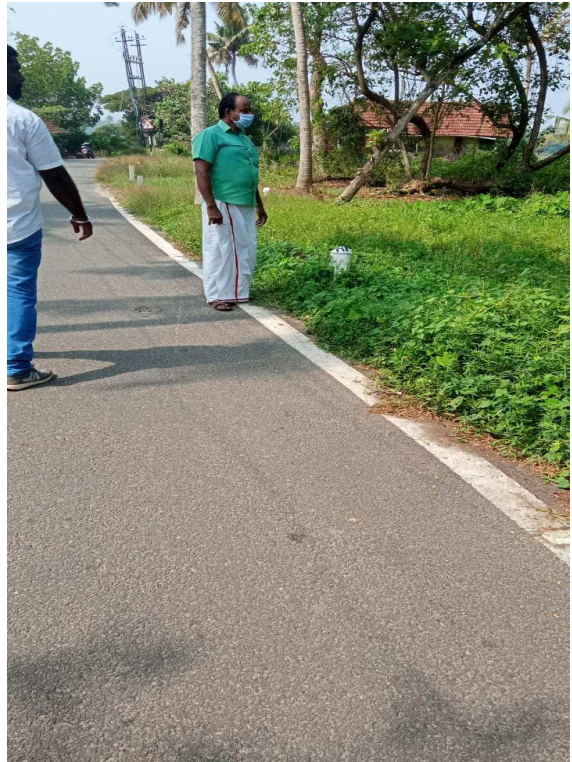
ക്രമ നമ്പർ	സർവ്വേ നമ്പർ	പേരും മേൽവിലാസവും	ഫോൺനമ്പർ	ബാധിക്കപ്പെടുന്ന വസ്തുക്കളുടെ വിവരം
1	148/4	കൃഷ്ണകുമാർ ഞാറക്കാട്ട് 3 - സി. ഗോകുലം, അമൃത് റിട്രിറ്റ്, വിവേക് നഗർ, കടവന്ത്ര കൊച്ചി - 682 020	9447475636	നിലം
2	149/10	എം.സി. ജോസഫ് (Late) അച്ചാമ്മ ജോസഫ് മാഞ്ഞുരാൻ ഹൗസ് ഞാറക്കാൽ പി.ഒ. 682 505	9746621966	നിലം
3		അഡ്വ. പോൾസൺ ഡേവിഡ് കണ്ണമ്പുഴ ഹൗസ് ഞാറക്കാൽ പി.ഒ. കൊച്ചി - 682 505	9745200766	നിലം
4		സുബ്രഹ്മണ്യൻ പുത്തലത്ത്, നെടുങ്ങാട് നായരമ്പലം പി.ഒ. 682 509	8593928938	
5	159/8 161 160, 158	ജോസഫ് സി. (കളത്തിൽ ജോസഫ്) അറയ്ക്കൽ, വട്ടത്തറ ലൈൻ നായരമ്പലം പി.ഒ. പിൻ 682 509	8891826282	സ്ഥലം
6	159/4 160, 158 1204	ജോണി മകുഴി മകുഴി ഹൗസ് കുടുംബശ്ശേരി നായരമ്പലം പി.ഒ. 682 509	9895033703	സ്ഥലം
7		റാഫേൽ മകൻ സ്റ്റീഫൻ മകുഴി മകുഴി ഹൗസ് നെടുങ്ങാട് സൗത്ത്, നായരമ്പലം പി.ഒ. 682 509	9447327438	സ്ഥലം
8		സിസിലി ജോസഫ് പറമ്പലോത്ത് ഹൗസ് മാനികുനി സുൽത്താൻ ബത്തേരി പി.ഒ.	9947356262	വഴി, സ്ഥലം
9		സ്റ്റേജ് ജോളി ആക്കനത്ത് ഹൗസ് നെടുങ്ങാട്, നായരമ്പലം പി.ഒ. 682 509	6238691328	സ്ഥലം

10		വിനു പി.ജെ. പെരുതട്ടാപ്പറമ്പിൽ നെടുങ്ങാട് നയരമ്പലം പി.ഒ. 682 509	9846995115	അടുത്ത വീട്
11		ജിജോ കണ്ണമ്പുഴ ഹൗസ് നെടുങ്ങാട് നയരമ്പലം പി.ഒ. 682 509	9287972822	അടുത്ത വീട്

## Annexure 2

### PHOTOGRAPHS





# Annexure 3

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Government of Kerala  
2022



Regn.No. KERBIL/2012/45073  
dated 05-09-2012 with RNI  
Reg No.KL/TV(N)/634/2021-2023

# കേരള ഗസറ്റ് KERALA GAZETTE

## അസാധാരണം EXTRAORDINARY

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[ചട്ടം 11(3) കാണുക]

### വിജ്ഞാപനം

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2022 നവംബർ , 13

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ഒരു സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠനം നടത്തുന്നതിന് തീരുമാനിച്ചിരിക്കുന്നതിനാൽ ;

ഇപ്പോൾ തൻമൂലം ജില്ലാതല സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന യൂണിറ്റായ കേരള വോളന്ററി ഹെൽത്ത് സർവീസസ് , കോട്ടയം എന്ന സ്ഥാപനത്തെ നിയമം അനുശാസിക്കുന്ന രീതിയിലുള്ള സാമൂഹ്യ പ്രത്യാഘാത പഠനം നടത്തുന്നതിനും സാമൂഹ്യ പ്രത്യാഘാത നിർവ്വഹണ പദ്ധതി തയ്യാറാക്കുന്നതിനും ചുമതലപ്പെടുത്തിയിരിക്കുന്നു.

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**പട്ടിക**

**ജില്ല- എറണാകുളം.**

**താലൂക്ക്- കൊച്ചി.**

**വില്ലേജ്- നായരമ്പലം.**

ക്രമ നം.	സർവ്വേ നമ്പർ	വിസ്തീർണ്ണം (ഹെക്ടറിൽ)	ഇനം
1	148	0.0648	നിലം
2	149		നിലം
3	158		പുറമ്പോക്ക്
4	159		പുരയിടം
5	160		പുരയിടം
6	161		പുരയിടം

(ഒപ്പ്)  
ജില്ലാ കളക്ടർ,  
എറണാകുളം

