

SOCIAL IMPACT ASSESSMENT STUDY

12 -10 - 2018

DRAFT REPORT

Submitted to

DISTRICT COLLECTOR, ERANAKULAM

**VALIYA KADAMAKUDY – CHATHANAD
BRIDGE & APPROACH ROAD**

Village : Kadamakudy & Ezhikkara

SIA UNIT

Youth Social Service Organization

Social Service Centre

M.A. College P.O

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BRIDGE & APPROACH ROAD

Notification Number: G.O (P) No.38/2018/RD dated 23.06.2018.

District: Ernakulam

Taluks: Kanayannoor & Paravoor

Villages: Kadamakudy & Ezhikkara

Submitted to

THE DISTRICT COLLECTOR

Ernakulam

SIA UNIT

Youth Social Service Organisation, Social Service Centre

M.A College P.O, Kothamangalam -686666

Mob. No: 9446510628, www.yosso.net

VALIYA KADAMAKKUDY – CHATHANAD BRIDGE & ROAD

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CHAPTER -1

EXECUTIVE SUMMARY

1.1. INTRODUCTION - PROJECT AND PUBLIC PURPOSE

In the growing stage of villages it is indeed a need to spurn the isolation of islands by developing transportation facilities wherever possible and without harming the flora and fauna. The construction of roads and bridges will connect the islands to the towns and other places. The movement of the people in the islands will be easiest through the construction of bridges and it shall bring social and economical development to the islands. The land acquisition for the proposed Valiya Kadamakudy - Chathanad Bridge and its Approaches Road Project set to start. Proposed Kadamkkudy - Chathanad Bridge and its Approaches would connect Ezhikkara and Kadamakkudy Panchayaths. The people living in the islands depend on the main land for all the basic requirements like their Medical Needs, Educational facilities, etc. The road is expected to provide the required connectivity to the islands and avoid the ferry service for the people of Valiya Kadamakudy and Chathanad in Ezhikkara village. The proposed connectivity of these Panchayaths to the National Highway is very important in view of their socio-economic development and management of any disaster.

1.2 LOCATION

The affected area belongs to Kadamakudy Village in Kanayannor Taluk and Chathanad of Ezhikkara Village in Paravoor Taluk in Ernakulam District. The proposed bridge will connect Kadamakudy village and Ezhikkara village.



Kadamakkudy – Chathanad Bridge and its approach project location

1.3 SIZE AND ATTRIBUTES OF LAND ACQUISITION

The proposed project will involve acquisition of 208.48 Ares of land. The land and properties include residential houses, compound wall and gate, land with productive assets, well, pond, commercial units/shops and 1 temple- a place of worship.

1.4 ALTERNATIVES CONSIDERED

The construction of Valiya Kadamakudy - Ezhikkara Bridge has almost completed except its landing in Chathanad and some portion of the bridge and its landing in Kadamakudy village. Hence the consideration of alternatives at this stage is not relevant here.

1.5 SOCIAL IMPACT

Since the 2013 Act has been an integrated statutory guidelines with regard to all forms of losses connected with land take-over, its legal implementation is adequate to compensate for the social impact.

COMPENSATORY PROPOSALS

Major proposals to make up for the losses incurred due to land take over:-

- ❖ Finalise the highest possible reward for the acquiring land and properties and make the payment with the least delay.
- ❖ Set-up a system for redressed of complaints.
- ❖ Reserve job vacancies for the members of the evacuated families as and when they arise.
- ❖ Provide skill – training in the relevant occupations to those who need it.
- ❖ Set-up availability of a reliable financial institution to alienate the mental and social impacts and anxieties of the rehabilitated.

CHAPTER -2

DETAILED PROJECT DESCRIPTION

PREFACE

This chapter gives the details of land acquisition for the project for Valiya Kadamakudy – Chathanad Bridge and its approach road, the details including the aim and rationale of the Project. Goshree Islands Development Authority (GIDA) was constituted for the integrated Development of the Islands of Kochi, as per GO (Ms) 114/94/LAD dt. 18.5.1994. The Authority was constituted as per the provisions of the Town Planning Act. The jurisdictional area of the Authority covers part of Kochi Corporation and 8 Grama Panchayats namely Elamkunnappuzha, Edavanakkad, Njarakkal, Nayarambalam, Kuzhuppilly, Pallippuram, Kadamakkudy and Mulavukad having a total area of 100 km. sq. As part of the development of Islands, GIDA constructed Goshree Bridges. Government vide GO (MS) 234/2001 dated. 22.8.2001 has given permission to GIDA to sell 25 hectares of reclaimed land for mobilizing fund for the project. The people living in the islands depend on the main land for all the basic requirements like their medical needs educational facilities etc. The road is expected to provide the required connectivity to the islands. The proposed connectivity of these Panchayaths to the National Highway is very important in view of their socio-economic development and management of any disaster. Once completed, the road will also enable to develop a direct link between NH 17 at North Paravur to ICTT link road which will reduce the travel time between North Paravur and Ernakulam to 30 minutes. Thus the proposed project shall be considered as a public purpose as per section 2(1)b(i) of RFCTLARR Act, 2013 (30 of 2013).

2.1 BACKGROUND AND RATIONALE OF THE PROJECT

The Valiya Kadamakudy – Chathanad Bridge and its approach Road are part of a cluster of three bridges being built to link Chathanad, Part of Ezhikkara in North Paravoor, and Kochi side on Container Road. The other two bridges are Pizhala- Valiya Kadamakudy Bridge and

Moolampilly- Pizhala Bridge and the construction of which are under way. The construction of the Rs. 57 – crores Vliya Kadamakkudy – Ezhikkara Bridge is almost complete except landing in Chathanad and some portion of the bridge and landing in Kadamakudy. These bridges, once completed, will offer these areas a better connectivity to North Paravur and the Container Terminal Road.

2.2 PROJECT SIZE & LOCATION

The proposed project for the Bridge and its approaches affect an area belongs to Kadamakudy village in Kanayannoor Taluk and Chathanad in Ezikkara village of Paravur Taluk, Ernakulam District. Land to be taken over is 208.48 Ares.

2.3 EXAMINATION OF ALTERNATIVES

The construction of Valiya Kadamakudy - Chathanad Bridge has completed except its landing in Chathanad and some portion of the bridge and its landing in Kadamakkudy. The proposed project envisages only the construction of the remaining portion of bridge and its landing in both the sides with the approaches. Hence the consideration of alternatives at this stage is not relevant here.

2.4 THE PROJECT'S CONSTRUCTION PROGRESS

The SIA is done for the Valiya Kadamakkudy – Chathanad Bridge which is almost completed except the landing in Chathanad side and some portion of the bridge with its landing and its approaches. The land required for the project is yet to be acquired.

2.5 DETAILS OF ENVIRONMENT IMPACT ASSESSMENT

The construction being within the coastal zone, a detailed study of the coastal eco system and morphology was necessitated and GIDA entrusted the above task with Centre for Earth Science Studies (CESS), Thiruvananthapuram. Accordingly, CESS conducted a detailed study and prepared a CRZ (Coastal Regulation Zone) status report. The Detailed Topographical survey of the alignment, Preparation of the General Alignment Drawing,

Structural Design, Design Calculation, Estimate of the Project etc. are also duly done. The Housing Board has examined the various alternatives and feasibility of the project.

2.6 APPLICABLE RULES AND STATUTES

- Right to Fair Compensation and Transparency in Land acquisition, Rehabilitation and Resettlement Act 3013.
- Right to Information Act 2005
- The State Policy

CHAPTER 3

TEAM COMPOSITION, STUDY APPROACH AND METHODOLOGY

3.1 BACKGROUND

As per the Kerala Gazette Notification G.O. (P) No.38/2018/RD By order of the Governor, Mr. K Biju IAS, Additional Secretary has entrusted Youth Social Service Organization, Social Service Centre, M.A. College P.O, Kothamangalam as the SIA unit to conduct the Social Impact Assessment of Land Acquisition for the Valiya Kadamakudy – Chathanad Bridge and its approaches road Project.

The objective of a Social Impact Assessment (SIA) is to enumerate the affected land and structures, affected families and persons to identify social impacts, and to prepare Social Impact Management Plan (SIMP). Data from primary and secondary sources has been collected to elicit the information for the current process. As part of SIA, a detailed socio-economic survey has been conducted by experienced members of the SIA unit in the affected area of Valiya Kadamakudy – Chathanad Bridge and its approach road project to assess the adverse impacts it may bring in.

3.2 THE PROCESS OF IMPACT ASSESSMENT AND PROJECT IMPLEMENTATION PREPARATIONS.

If the evacuation has caused any physical or financial problems to the people, such are to be assessed and the necessary rehabilitation or compensation measures are to be taken. If the loss is related to livelihood, adequate compensation no less has to be included in the re-establishment plan. The Study Team should essentially consider the following while preparing the implementation plan: - (1) awareness of the socio-economic impact of the Project (2) awareness of the legal matters related to acquisition and compensation.

Details of the social Impact Assessment, the study Approach and the Project Science are given in Fig. 3.1 in a Flow-chart form.

Figure 3.1 SOCIAL IMPACT STUDY PATTERN AND METHODS

PHASE I STEPS PRIOR TO SURVEY

Review and preliminary consultations	Initial Survey and Start of Out-door works
❖ Detailed Project Survey	❖ Initial Study
❖ Preparation of Project Plan	❖ Preparation and checking Survey instruments
❖ RFCT in LARR ACT 2013	❖ Finding out groups for data collection
❖ State Law related to land acquisition	❖ Submission of final form of Initial Report.

PHASE II DATA COLLECTION METHOD, IMPLEMENTATION AND IMPLEMENTATION SET-UP

Project – impacted families/ People/ Community	Preparations for the implementation of the Project
❖ Training the field – staff	❖ Analysis of the legal and regulatory policies
❖ Data collection from affected Family members	❖ Discussions with the Revenue officials regarding rehabilitation Plan
❖ Discussions with the officials of the concerned departments	❖ Analysis of data
	❖ Data – collection, Analysis and Draft document on social impact.

PHASE III POST – SURVEY WORKS AND ASSESSMENT OF PLAN

Converting data into schedules	Social Impact Assessment, Discussions on Reports
❖ Co-ordination, unification and documentation of data	❖ Organising Public hearing

❖ Social impact assessment, finalisation of report	❖ Discussing information collected as part of impact assessment with the affected people
❖ Analysis of data collected from Survey	❖ Sharing the anxieties of the concerned parties
❖ Draft-assessment of social impact,	❖ Assessment and views of the concerned officials
❖ Preparation and submission of draft report	❖ Co-ordination of views and submission of final social report.

3.3 DESK RESEARCH

Study Team examined the relevant documents, Reports, Project Plans etc. in details.

3.4 DETAILS OF STUDY – TEAM

The study conducting Social Impact Team is headed by the Executive Director of Youth Social Service Organization. A team of Five members having experience in conducting Social Impact Assessment studies and socio economic surveys were carried out for data collection, monitoring of data processing, co-ordination and report preparation. Representatives from the Revenue Department, Special Tahasildar Office, GIDA Office and KSCC supported the investigators to identify the affected families.

SIA TEAM MEMBERS

Sl No.	Name	Qualification & Designation	Experience
1	Sebastian KV	MSW, M.Phil Team Leader- Sia Unit	25 years experience in Development Sector with YSSO
2	Kuriakose George	LLB Project Co-Ordinator- Sia Unit	15 years experience in development sector
3	Baiju P.T	MSW, Research Associate-Sia Unit	10 years experience in development sector

4	P.C. Jose	MSW, Research Associate-Sia Unit	10 years experience in development sector
5	Sholi	MSW, Research Associate-Sia Unit	5 years experience in development sector

3.5 DATA FROM SECONDARY SOURCES

Data from secondary sources were compiled with those collected from previous studies and the concerned departments. Through the survey conducted in the Project-area, information on the affected parties could be collected and the physical, social, economic and cultural status of the community could be learned.

3.6 SITE VISITS AND INFORMATION DISSEMINATION

From 2/09/2018 onwards the SIA team visited the site to verify the alignment drawings and to identify the affected area. After identifying the affected areas, the SIA unit consulted different stakeholders at the project area. The survey team collected the data in the month of September– October 2018

A FEW STILLS FROM THE DATA COLLECTION





Ezhikkara Panchayath President & Member



Bridge landing in the Chathanad side



The jangaar operation



Bridge from the Valiya Kadamakudy end



The temple affected in the acquisition



Livelihood affected of a lady

CHAPTER - 4

VALUATION OF LAND

4.1 BACKGROUND

The S.I.A. unit conducted the socio-economic survey at the project site during September - October 2018 on the families and individuals affected by the project. It was learned through this survey to the extent the proposed project would impact on the residence, properties, income, livelihood etc. of each family. A pre-coded questionnaire was used for the purpose. The major goal of the survey was to assess the socio-economic structure, type of the property, right to the assets, the likely impacts and its depth, details of properties etc. of the affected families. The findings of the survey and the gravity of the problems are given hereunder.

4.2 ENTIRE AREA OF IMPACT UNDER THE INFLUENCE OF THE PROJECT

Table No.4.1 Inventory: Chathanad in Ezhikkara village				
SN	Survey number	Name of land owner	L and Area Affected	Utilities/ items
1	14/18-7	Vincent Seeveli	Don't Know	land with coconut 2 trees
2	14/18-1-9	Mini Ambros	Don't Know	House and land
3	14/18-2-11	Jose Vincent	5 cent	Frontage of the house
4	111/15-13	Kairali K V	1.5 cent	land and road
5	111/15-14	Ambika M K	5.5 cent	land with 5coconut tree,3 Jack tree, Arcunut-5,anjili -4 mango tree1, Aruns-1, other trees-4 and Petty shop
6	14/17 A-A3	Secretary	2 cent	Temple
7	14/3-A-A12	Mani K K	10 cent	House, toilet, compound wall, adjacent tea shop of livelihood, Puli-1,anjili-2,Coconut-2, arcunut-1, cotton-1

8	14/3- A-A8	Sasindran Kadavilparambil	1+ cent	land,coconut-1, mahagani-2,jact tree-1, arecunut-6 septic tank-1
9	111/17-9	Pankajakshan Kottaparambil	7.5 cent	House, petty shop, land, coconut tree-4, arecunut-6, jack tree-2, mangotree-2, pili-1, well.
10	14/5-A2	Disni Priyanath	Don't Know	house, land, wall, pathimukam-1,Aranamaram-1,cononut-1, jack tree-2, mango tree-3, arecunut-9,Elanji-1 teak-1, Anjili-3,Puli-3,Well
11	14/17 –B-B3	Sabeth vazhakkooottathil	3 cent	House ,toilet, land with coconut-2, arecunut-2,
12	111/16 pt.6	Alice Bijumon	8 cent	Compound wall and land, teack-2, Kudampuli-1, anjili-1, Mahagani-3, Mango tree-3, coconut -3, arecunut- 15.
13	14/17-A-A7	Sherly Maruthonthara	3+ cent	shop &land,
14	14/23-4	Gopalakrishnan	Don't Know	land, wall, pond, jack tree-2,anjili-1,coconut-3,karuva-1, arecunut-7,mango-tree-1, waste pit, manjadi-1
15	14/3B-B2	Peshala Shanmukhan	Don't Know	land, gate, wall
16	14/17 A-A9	K D Joseph	4+ cent	land with coconut-4,Jack-1, cashew tree-1, Aranatree-1, arecunut-8
17	111/15- 10	Boban Vincent	5 cent	House and land,
18	111/ 15 – 8	Daisi Joy	4 cent	House and land,
19	111/16 pt.5	Chakkunni & others	8 cent	House and land,
20	14/3 A-A3	Johny MC	6 cent	Land with shop building , livelihood of handicapped person.

21	111/15-9	Santhosh K V	5 cent	House and land, Coconut-2, Arcunut-5, Elanji-1, Jacktree-1.
22	111/15-12	Sahadevan Mukkathu	4 cent	Frontage of the house
23	111/17-6	A Chandran & Radha	10 cent	Land
24	14/4-B2	N G Radhakrishnan	Don't Know	Land
25	14/18	Panchayath well	Don't Know	Panchayath well
26	14/18	Krishnankutty, MV Sahadevan & others	Don't Know	Path
27	14/2-A	Vilassan, K C Raveendran etc.	Don't Know	Path
28	14/5	KG Sadanandan, M T Anilkumar & others	Don't Know	Path
29	14/18	Venugopal, Joseph Ravi tec	Don't Know	Path
30	14/4-B2	Fish land center , Panchayath	Don't Know	Path

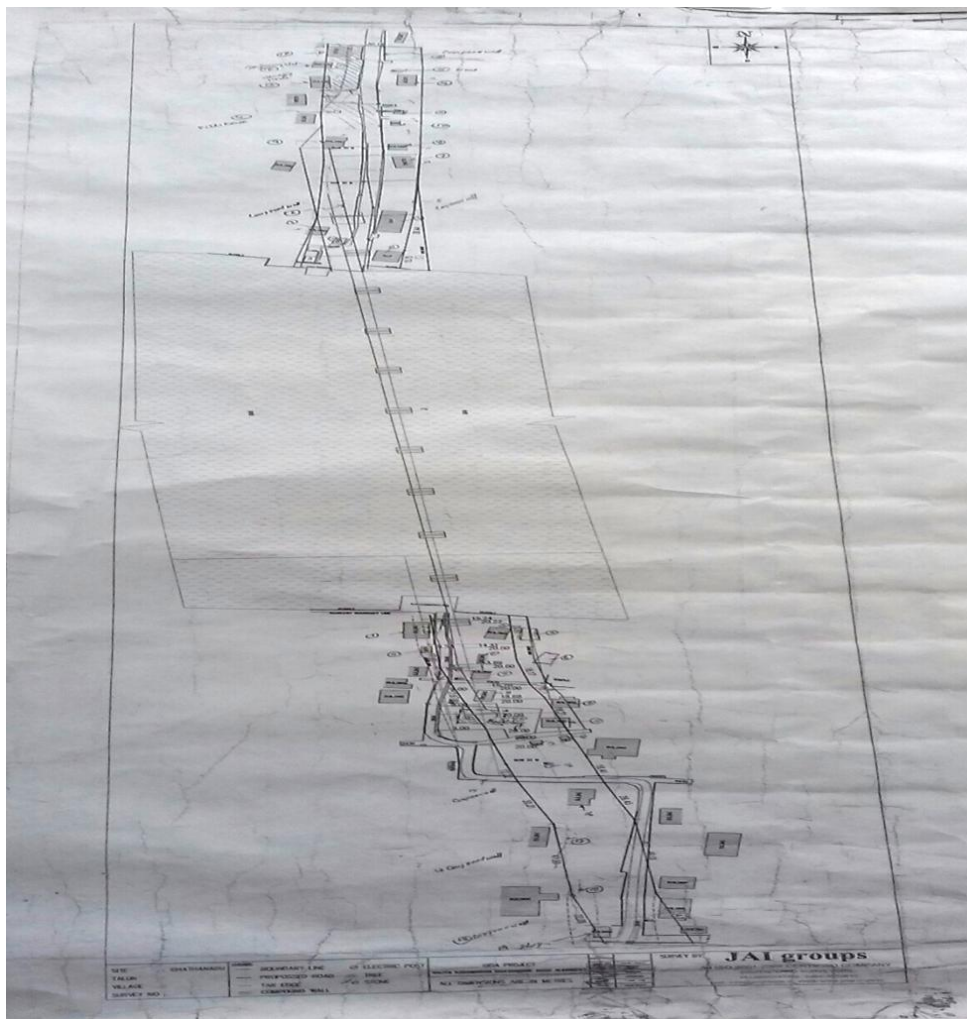
Table No. 4.2 Inventory, Kadamakudy Village

1	41/8-8	Baby K. J. (Elisha)	10 cent	house, well, pump house, store house
2	3/11-22	Jaison Kolanchery Veetil	0.5 cent	Land
3	41/3-3	Rosy Kochappu	13 cent	House, well, Shop and livelihood
4	42/6-14	Rameshan Aravassery	4.7 cent	House, well, land
5	3/4-18, 3/5-19	Varkey Thottungal	1.5 cent	House and land

6	3/06-20	Pathros Thottungal	Don't Know	Shop & land, compound wall, gate
7	42/7-15	PP Dassan & Vinod	1.75 cent	land, toilet, bathroom
8	42/6-13	Vinoj Pandaraparambil	Don't Know	House and land
9	42/6-13	P K Vijayan Pandaraparambil	4+ cent	Land
10	3/10-21	Mary Antony Kolenchery	Don't Know	Land
11	41/9-29, 42/2-10	Francis Thottungal	17 cent	Bath room, well, toilet, compound wall and gate, Alignment touching the house, coconut-9, Oosbery tree, jack tree-3,
12	4/4-22	Joshy Antony	7.5 cent	land and house
13	4/13-27	Mother Gracia Nazrth Sisters	Don't Know	land, gate, compound wall
14	4/05-25	Job Manavalan	22 cent	land, compound wall, gate, jack tree-2,anjili-1,coconut-13, ambazham-1, arecunut-3, mango-tree-6, anjili-1, athi-1, amruth-1, bamboo-1, supporta-1, goa-1
15	4/14-28	EO Paulos	1.25 cent	shop and land
16	8/2-15	Agustine & Reetha	3+ cent	land and wall
17	41/14-30, 41/17-32	Ponnan Keezhath	2.5 cent	land and house
18	42/4-12	Ravi Nedumpallichalil	Don't Know	land and house
19	41/5-27	Tambi Velayudhan	Don't Know	land and house

20	41/15-15	Elssy Varghese Manavalan	3.5 cents	Land
21	40/4-11	Benny & Alex	2 cent	Compound wall and land, coconut -3, arecunut- 15.
22	42/3-11	Sushama Manoharan	Don't Know	House land

4.3 LAND INVENTORIES (SITE MAP)



4.4 LAND REQUIREMENT FOR THE PROJECT

The proposed project for construction of bridge and its approaches Connecting Kadamakudy village - Chathanadin Ezhikkara village shall require 208.48 Ares of land in 53 survey numbers from 46 owners for the implementation of the project .

4.5 USE OF PUBLIC LAND

Public properties like Panchayath well, tap and road/path is affected in the project area. There is the Sree Pulliyampully Namboothiri Achan Temple which is a public utility asset.

4.6 USE OF LAND

The use of land owned by Individuals and place of worship. The proposed acquisition area include land and properties like 19 residential houses, 22 lands, 7 shops/ livelihood and 1 temple, 3 road/passages and Panchayath water tap 2, and Panchayath well -1.

4.7 LAND ALREADY PURCHASED

So far no land is purchased for the project

4.8 PREVIOUS TRANSACTIONS IN THE AREA

As per information given by the respondents no transactions sale had been taken place in the affected area for the last three years. But 5 land / property owners have taken loan pledging the documents.

CHAPTER - 5

ASSESSMENT AND CALCULATIONS

5.1 PREFACE

This Chapter deals with the size of the impact and assessment of the properties lost directly and indirectly for the families due to the implementation of the project.

5.2 Extend of land/property affected

Out of 53 survey numbers including road and public utility 30 properties are affected fully (56.6 percent) and 23 properties are partially affected (43.4 percent).

5.3 Reusability after acquisition

Out of the 53 sole property owners, 19 numbers stated that they can reuse the remaining property while 34 respondents stated that they cannot.

5.5 INDIRECT IMPACT OF THE PROJECT.

The project area includes families, open grounds, Place of worship, Public utilities like roads, Panchayath well and pipe, and means of livelihood. A few houses are on the edge of the bridge and even the construction time itself their houses may be damaged due to the vibration of the Piling and other heavy works. A number of houses are coming closer to the road and their privacy will be lost / reduced.

5.6 THE LOCATION AND DIMENSION OF THE LAND PROPOSED FOR THE PROJECT

The proposed project will involve acquisition of 208.48 Ares of land. The land and properties include residential houses, compound wall and gate, land with productive assets, well, pond, commercial units/shops and 1 temple- a place of worship.

CHAPTER – 6

SOCIO – ECONOMIC DESIGN

6.1 PREFACE

This chapter contains the social, economical and cultural status and the peculiarities of the families in the project affected areas. Details of the population, weaker section among the affected families, socialisation of the people and such related information are added to this chapter.

6.2 FAMILY INCOME

7 families are with a salary which is less than 5000/- per month, while 13 families have salary between 5000 -10000, and 9 families have income between 10000 – 20000. 12 families are earning family income between 20000-50000 and 5 families have the income more than 50000 per month and Not Applicable category constitute 5

6.3 Major Income Source

8 families have business as their income source, while 9 are surviving with income from fishing. 10 families survive with income from Kooli labour and 10 other families have govt. servants to get salaries. 6 of the families are working in private establishments to make the living. 3 families have welfare pension as their source of income

6.4 Ration Card Type

Out of 53 owners 17 families come under Bellow Poverty Line and 29 families are above Poverty line. 1 family is in the AAY category.

6.5 Family Details of Ezhikkara - Kadamakudy village

Though there are 24 possessions one is a temple and from 23 land/property holding families constitute a total number of 108 people are affected. Out of 108 members 60 are male and 48 are female. There are 23 possessions of land/property holding families constitute a total number of 101 people are affected in the Kadamakudy village. Out of 101members 44 are male and 57 are female.

CHAPTER –7

COUNTER – IMPACT IMPLEMENTATION PLAN

7.1 IMPACT MITIGATION APPROACH

The Counter – Social impact Implementation Plan has been designed to reduce the adverse effects that can happen when land is taken-over for the project. The demand of the affected people is commonly satisfactory compensation amount. Hence it has been proposed as the counter – impact step to arrive at an agreement with the affected parties after discussion and dispense the amount prior to the land acquisition.

7.2 GUIDELINE TO NEGATE, MITIGATE OR COMPENSATE FOR THE IMPACT

To pay compensation on time as per the Rights Act, 2013, that stipulates fair compensation for transparency, rehabilitation and re-establishment related to land acquisition.

agricultural or commercial purpose. Those who bought the land for building house or industrial purpose, hope everythin will be settled at the earliest.

7.3 RE-ESTABLISHMENT AND REHABILITATION

1. When evacuated from the proposed area
2. Those who lose their valuable property

CHAPTER – 8

SOCIAL IMPACT ACTION PLAN DIRECTORATE

8.1 DIRECTORATE AND RESPONSIBLE OFFICIALS

As per the stipulation of RFCTLARR act 2013, the Administrator appointed by the Govt. shall be responsible for preparing the Scheme for the rehabilitation and re-establishment of the families displaced by the Project. The said Officer shall be responsible for formulating, implementing and supervising the scheme for the rehabilitation and re-settlement which are subject to supervision, direction and control of the Commissioner functioning for the purpose.

The social impact caused owing to the Project can fairly be mitigated as per the clauses laid out in the RFCTLARR act 2013 which guarantees fair compensation rehabilitation and re-establishment for the parties affected by the land acquisition. The district level Committee formed as per the policy directive of the Govt. of Kerala wide... shall consist of the following members:

- District Collector
- Administrator for Resettlement and Rehabilitation
- Land Acquisition Officer
- Finance Officer
- Representatives of the Requiring Body to take financial decisions on its behalf
- Representatives of a local self government institution