



**State Project Implementation Unit
Department of Disaster Management
Government of Kerala**

NATIONAL CYCLONE RISK MITIGATION PROJECT-KERALA

**DRAFT ENVIRONMENT
AND SOCIAL
MANAGEMENT
FRAMEWORK REPORT**
Volume II

Acronyms

ASI	Archaeological Survey Of India
CRZ	Coastal Regulation Zone
DPIU	District Project Implementation Unit
EA	Environmental Assessment
EAC	Expert Appraisal Committee
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
ESMF	Environmental And Social Management Framework
GEMP	Generic Environment Management Plan
GOI	Government Of India
GOK	Government Of Kerala
GPS	Global Positioning System
HTL	High Tide Line
LTL	Low Tide Line
MOEF	Ministry Of Environment & Forest
MPCS	Mutli Purpose Cyclone Shelter
NCRMP	National Cyclone Risk Mitigation Project
NDMA	National Disaster Management Authority
NOC	No Objection Certificate
PCB	Pollution Control Board
PMU	Project Management Unit
SIA	Social Impact Assessment
SPIU	State Project Implementation Unit
TOR	Terms of Reference

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1. Introduction

The key steps involved in Environmental and Social Screening that are laid down in the Environment and Social Management Framework (ESMF) Phase II for project States under NCRMP Phase II is as follows:

- Step 1: Ascertain presence of any environmentally sensitive areas as detailed in screening criteria section Part-B and w.r.t. CRZ zones during site identification.
- Step 2: Confirm applicability of regulations and whether any of the sub-projects are prohibited as per the existing law / regulations in the proposed sites. Wherein the proposed activity is restricted, Step 1 needs to be performed again.
- Step 3: Conduct reconnaissance site visits for ground truthing to incorporate additional information.
- Step 4: Revisit the screening check list and ascertain outcomes of the Part B (2) and Part C (2) of the screening checklist. Undertake the detailed screening process for all investments in consultation with the line department.
- Step 5: Determine the requirement of an EIA / SIA study & its scope and other applicable rules /regulations and clearances.
- Step 6: If EIA/SIA is required, then:
 - Step 6.1 Prepare ToR for EIA / SIA studies and appoint Environment and Social Management Consultants.
 - Step 6.2: Conduct EIA / SIA as per the scope defined in the ToR along with preparation of the detailed DPR documents.
- Step 8: Check for applicable NOC / Clearances from MoEF/ State PCB's etc as applicable
- Step 9: Ensure integration of GEMP and / or Specific EMP measures (as applicable) with bid documents and contract provisions.
- Step 10: Project implementation and monitoring to ensure EMP / GEMP implementation.

ESMF Volume II document narrates the results of Environmental and Social screening of the sites identified and screened across the nine coastal districts of the State. The reports of the selected sites (as per G.O (Rt) no. 641/DMD/2016 dated 28.01.2016) have been partitioned into three sections – ESMF Checklist, Brief Report, report of Panchayath/ Municipal Corporation meeting on construction of

MPCS at the site. Details of sites proposed from the District Administration of nine coastal districts but not selected for the project are also detailed in this document.

ESMF Volume II is an 'up-to-date' or a 'live document' allowing revision, from time to time when necessary. Certain aspects not foreseen at preconstruction phase of the project may not be included in this document and such aspects need to be assessed and appropriate modifications will be incorporated into the document. For example, any variation in the building design would be assessed and appropriate changes will be incorporated by updating the said Framework. Revisions will also cover and update any changes/modifications introduced in the legal/regulatory regime of the country/ state. Also, based on the experience of application and implementation of this framework, the provisions and procedures would be updated, as appropriate in consultation with the World Bank and the implementing agencies/departments.

2. District: Kasargod

Kasargod District

Well-known for coir and handloom industries, Kasaragod, is the northernmost district of Kerala. To the north and east of the district is Karnataka State and to the south and west is Kannur District and Arabian Sea respectively. The district lies between North latitudes 12° 2' and 12° 45' and East longitudes 74° 52' and 75° 26'. The district has a total area of 1989 Sq.Km with 70 kilometer long coastline and falls in the North Kerala Coast. Kasaragod District consists Cannanore Coast, Kasaragod Table Land and Peringom Mattannur Undulating Upland.

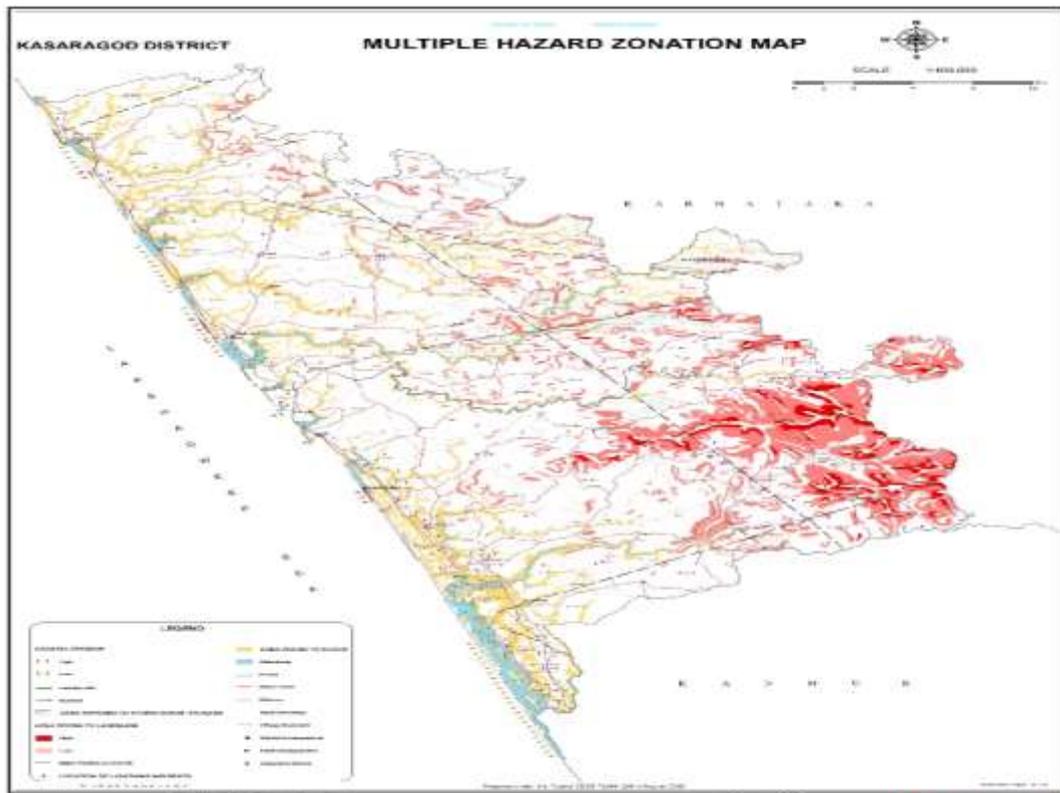
The sites selected for construction of Multipurpose Cyclone shelters in Kasargod District are at Koipady Village, Kudlu (Shiribagilu) village and Pullur village of Kasargod District.

Profile of Kasargod	
<i>Headquarters</i>	Kanjhangad
<i>Total Population</i>	1,307,375
<i>Male</i>	628,613
<i>Female</i>	678,762
<i>Population Growth</i>	8.58%
<i>Density/Km2</i>	657
<i>Number of Taluks</i>	4
<i>Number of Villages</i>	75
<i>Number of Panchayath Wards</i>	39
<i>Forest Area</i>	115.09 Km2
<i>Average Rainfall</i>	3,500mm
<i>Temperature</i>	Min: 22°C Max:37°C
<i>Number of major rivers</i>	12
<i>Major Soil</i>	Coastal plain soil

Vulnerability Assessment of the District

The banks of major rivers Chandragiri, Kariangode, Shiriya, Uppala their rivulets and paddy fields are prone to flooding during monsoon. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluks in the district	Flood		Coastal Erosion						Storm surge/ Tsunami inundation	
			Low		High					
					Without seawall		With sea wall			
Area km ²	Area %	Length Km	Length %	Length Km	Length %	Length Km	Length %	Area km ²	Area %	
Hosdurg	87.1	8.8	15.0	30.5	1.3	2.6	1.4	2.9	32.6	3.3
Kasargode	111.7	11.2	13.3	34.5	-	-	2.9	7.6	18.2	1.8
Total	198.8	10.0	28.3	32.1	1.3	1.5	4.3	4.9	50.8	2.6



Source: National Centre for Earth Science Studies

1. MPCS AT KOIPADY VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/KSD/ HOS/KOIPADY -1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kasargod
Taluk	Manjeshwar
Village	Koipady
Panchayath/Municipal Corporation	Kumbla Gramapanchayath
Survey Number	Re-Survey number: 168/1pt
Latitude	12° 35' 40.2"N
Longitude	74° 56' 49.1"E
Mean Sea Level	49m
Size of the sub-project	
Cyclone Shelter – approx. built up area	
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
a. Private Land	Nil
b. Government Land	900 SQ.M
c. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	Kumbla Police Station road
Existing road	Length: 500m ROW: 8m
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	

Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 meters from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	Kumbla river is at a distance of 520m to the north and west of the site
Is the sub-project located in whole or in part 500 meters from railway line?	No	Railway line is 524m from the site.
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 900 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

1. Does the proposed sub-project activity require any land?	Remarks if any
Private Land	No

Government Land	Yes	900 SQ.M of land in Ownership of Education department
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Koipady Village of Manjeshwar Taluk in Kasargod District. The site is entitled to Education Department.

The site is located at a distance of 1 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI’s Central/State list].

The site is located within the compound of Government Senior Basic School of Koipady Village. The site is near to existing school buildings and Rain water harvesting tank. Approximately 900 sq.m of land which is used as playground is available for construction.

Village office, Police station, Government Higher Secondary School, Kerala Gramapanchayath Matsya Bhavan and College of Applied sciences are located within 1km radius of the MPCS. The site and School share a common entrance gate and has direct access from a side road. The MPCS could be used for school activities as well as for holding camps during elections and other trainings.

Approach roads

The site is directly accessible from GHS road which is 400m from the main road. Upgradation of existing approach road is not proposed.

Demography of Koipady Village

According to 2011 Census, the village has 3541 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	18,121
Male	9,012

Female	9,109
In the age group 0-6 years	2,006
Scheduled Castes (SC)	882
Scheduled Tribes (ST)	217
Literates	14,504
Illiterate	3,617
Worker	7,098
Non Worker	11,023

Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Koipady MPCs is only 1800 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Koipady MPCs is 1 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Koipady MPCs clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



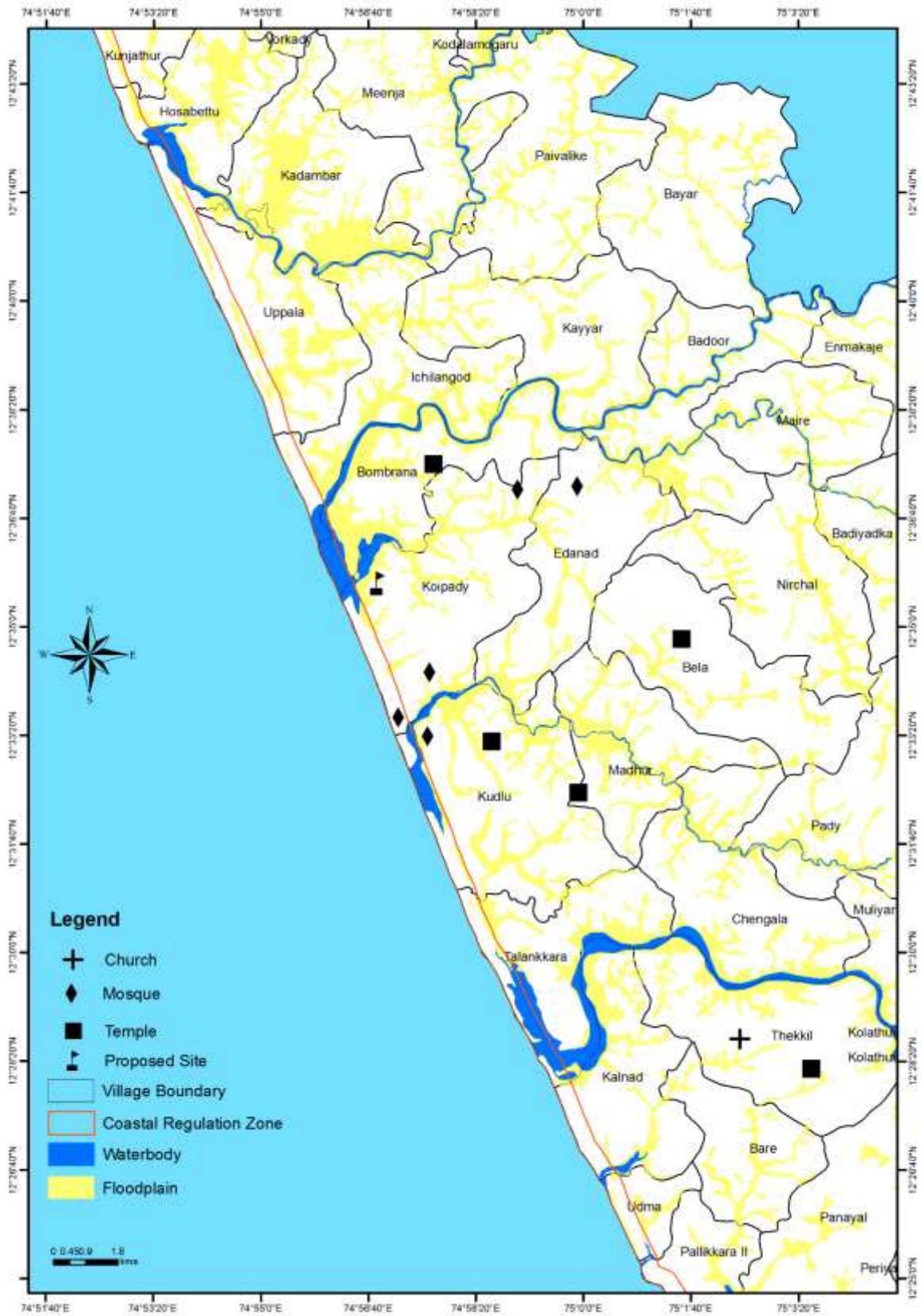
2. View of the site



3. Entry to the site



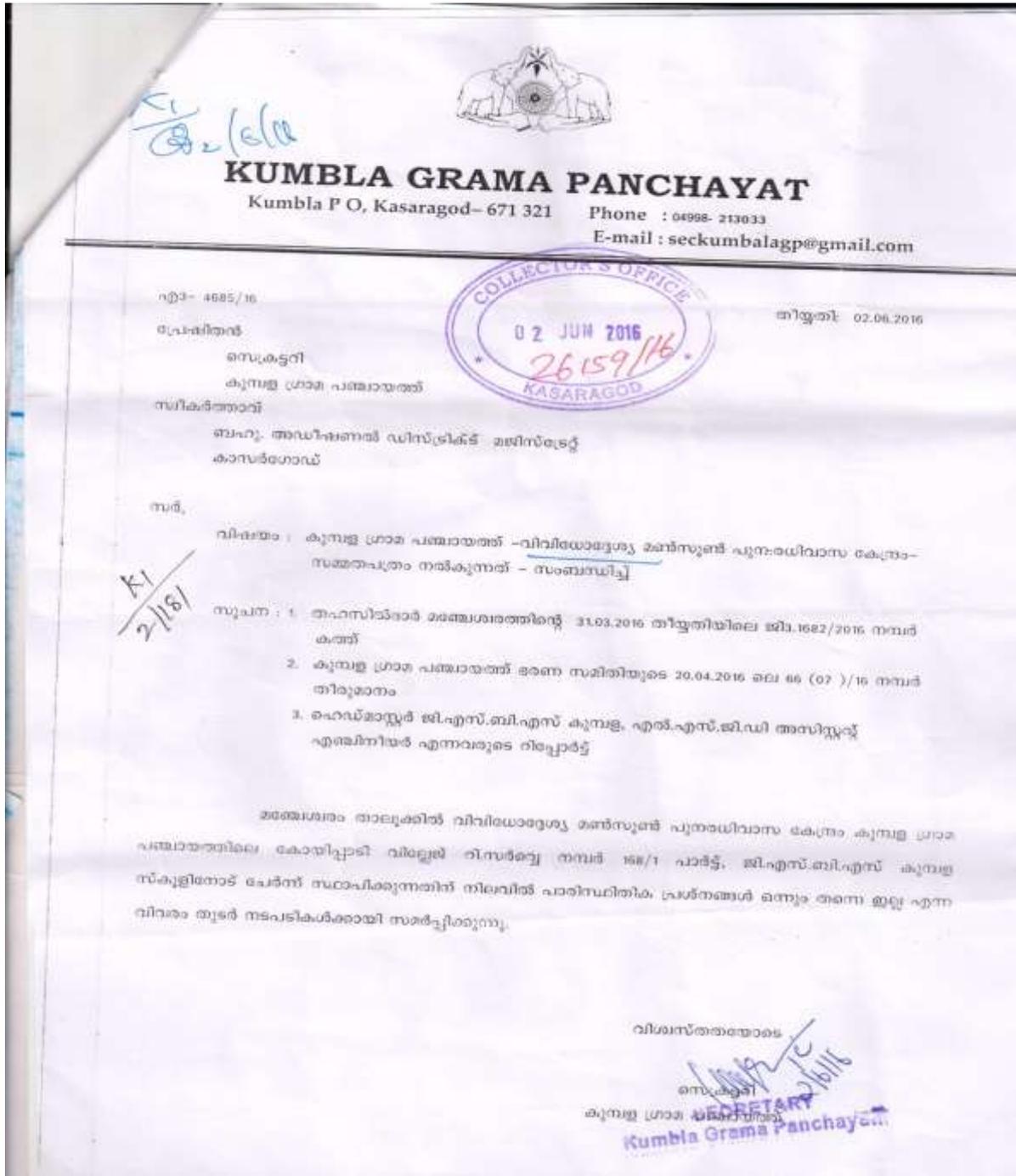
4. School building near to the site



GIS map of MPCs at Koipady Village

PART C: PANCHAYATH RESOLUTION

District	Kasargod
Village	Koipady
Panchayath	Kumbla Gramapanchayath
Place	Kumbla
Date	20.04.2016





കുനള ഗ്രാമ പഞ്ചായത്ത്
 20/04/2016 തിരുവനന്തപുരം സഭാമന്ദിരം
 6607/15 തിരുവനന്തപുരം

തിരുമാനം : നം 66(07)/2016 -

കൊച്ചിപ്പടി റിപ്പോർട്ടിന് R S No 168/1 പാർട്ടി ജി എസ് ഓഫീസ് കുനള സർവ്വേനോട് ചേർന്ന് റിവിഡോയ്ക്കുൾ അനുബന്ധ ഏതാധിവാസ കേന്ദ്രം സർവ്വേക്കുന്നതിന് ഗവൺമെന്റ് ഉത്തരവാലിപ്പിച്ചതും ആയത് നിർമ്മിക്കുന്നതിന് സർവ്വേക്കുന്നതിനും പ്രശ്നങ്ങൾ നേരിട്ടിട്ടുണ്ടെന്നും സർവ്വേക്കുന്നതിനും ആവശ്യപ്പെട്ട തുകയ്ക്ക് 31.03.2016 ന്റെ ലിസ്റ്റ് നമ്പർ 2 അനുസരിച്ച് തുകയ്ക്ക് അനുബന്ധമായി റിപ്പോർട്ടിന് കോർട്ടിന് ജി എസ് ഓഫീസ് കുനളയോടും അനുബന്ധമായി എഞ്ചിനീയർ എൽ.എസ്.ജി.ഡി. കുനള സെക്ഷനോടും ആവശ്യപ്പെടാൻ തിരുമാനിച്ചു.

(ഒപ്പ്)
 സെക്ഷൻ

//ശ്രീ പാർട്ടി//
 ഒപ്പ്
 സെക്ഷൻ
 കുനള ഗ്രാമ പഞ്ചായത്ത്

Summary of the Panchayath meeting decision:

1. The Kumbla Gramapanchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 to construct a Multi-Purpose Cyclone Shelter in the compound of GSBS, Kumbla of Koipady Village as informed through Letter no. G3/1082/10 dated 31.03.2016 from Tahsildar of Manjeshwar.
2. The Panchayath has directed the Local Self Government Department and Head Master of the school to submit a report in this regard.

2. MPCs AT PULLUR VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KSD/ HOS/PULLUR -1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kasargod
Taluk	Hosdurg
Village	Pullur
Panchayath/Municipal Corporation	Pullur-Periya Gramapanchayath
Survey Number	Survey number: 110/1A3A
Latitude	12° 21' 28.2"N
Longitude	75° 6' 1.4"E
Mean Sea Level	49m
Size of the sub-project	
Cyclone Shelter – approx. built up area	
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
a. Private Land	Nil
b. Government Land	1300 SQ.M
c. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	Pullur-Pannikunnu road (Haripuram Mengoth Kodavalam Road)
Existing road	ROW: 8m
Proposed road	No approach road proposed.
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	The site is 800m from the stream of Chithari river.
Important bird areas	No	

Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (4.5 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 1300 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?		
4. Does the proposed Project activity result in loss of direct livelihood/ employment?		
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?		
6. Does the proposed Project activity affect scheduled tribe/ caste communities?		

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP- Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Pullur Village of Hosdurg taluk in Kasargod District. The site is entitled to Revenue Department.

The site is located at a distance of 4.5 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The site is a barren land with gentle slopes towards the southern portion. Village office of Pullur is located to the immediate north of the site. Government Upper Primary School and Industrial Training Institute is located to the west of the site.

Approach roads

The site is directly accessible from the nearby Pullur Pannikunnu (Mengoth Kodavalam road) main road. Upgradation of existing approach road is not proposed.

Demography of Pullur Village

According to 2011 Census, the village has 3667 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	15,565
Male	7,436
Female	8,129
In the age group 0-6 years	1,663
Scheduled Castes (SC)	155
Scheduled Tribes (ST)	1224
Literates	12,232
Illiterate	3,333
Worker	6,406
Non Worker	9,159

Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Pullur MPCS is only 580 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Pullur MPCS is 4.5 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Pullur MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



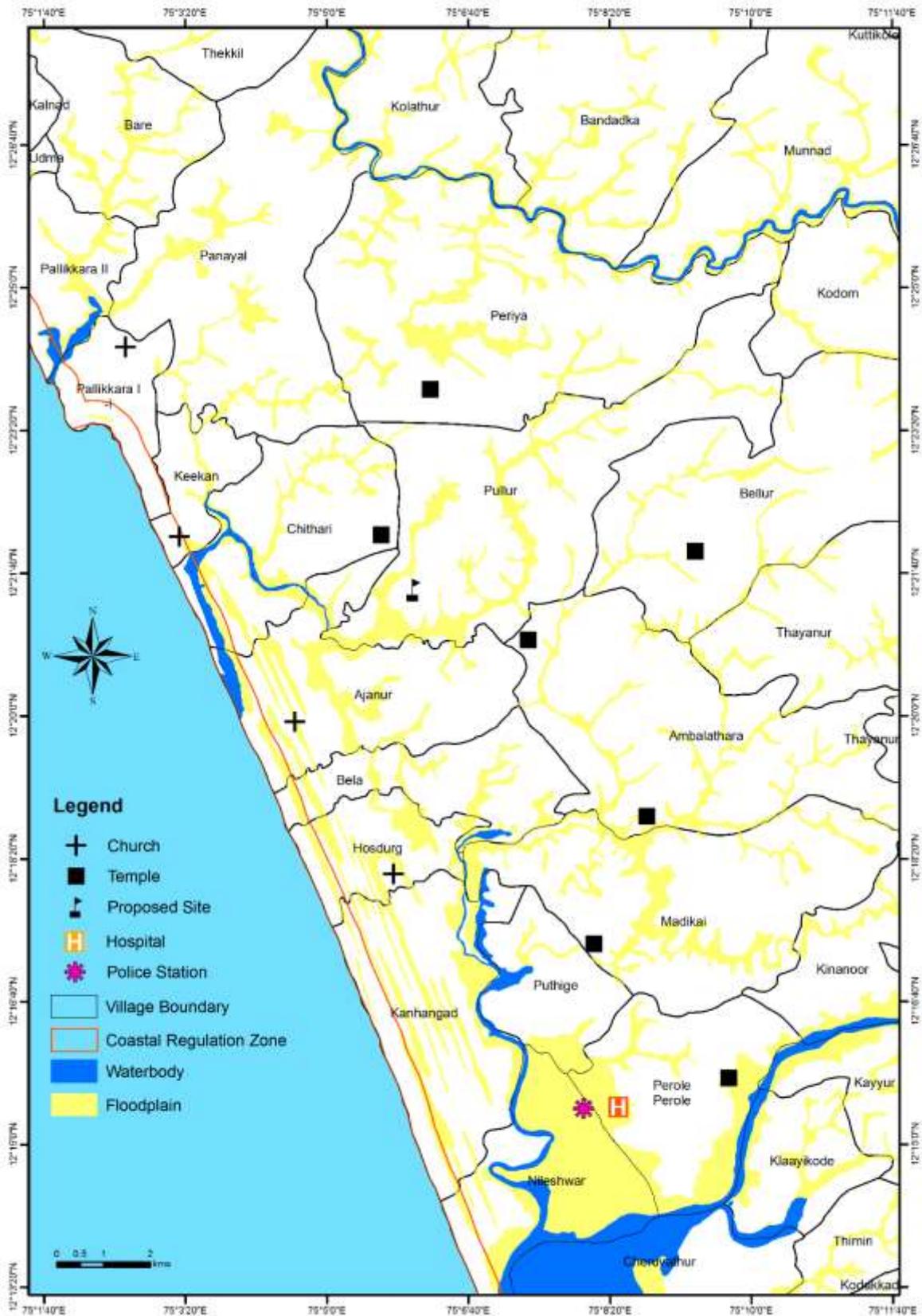
1. Aerial view of the site



2. View of the site (Village Office building can be seen)



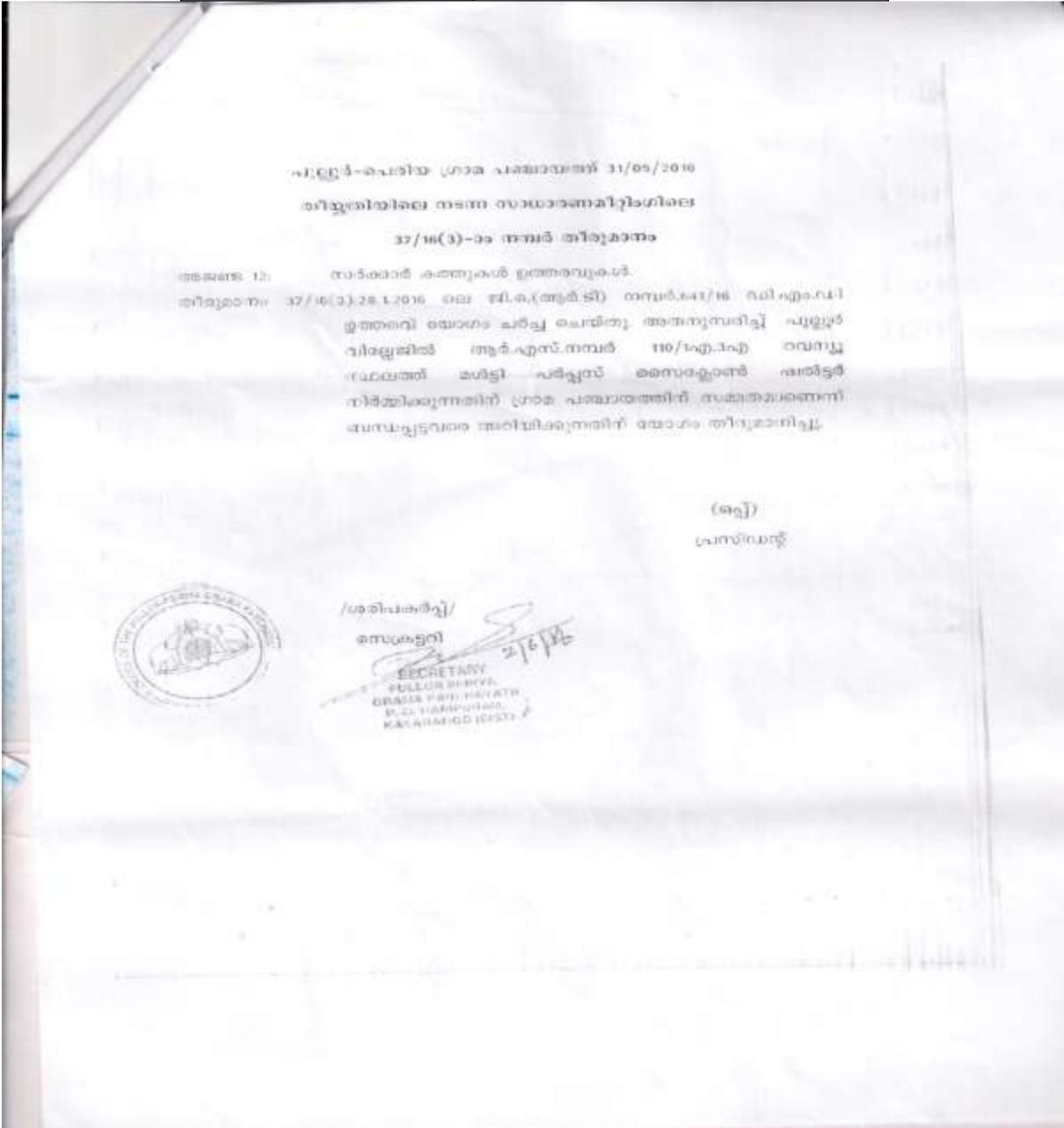
3 and 4. Access road to the site



GIS map of MPCS at Pullur Village

PART C: PANCHAYATH RESOLUTION

District	Kasargod
Village	Pullur
Panchayath	Pullur Periya Gramapanchayath
Place	Pullur
Date	21.05..2016



Summary of the Panchayath meeting decision:

1. The Pullur Periya Gramapanchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 on 28.01.2016 for constructing a Multi-Purpose Cyclone Shelter in Pullur Village.
2. The Panchayath agreed and accepted the decision of the Government to construct a MPCS at Resurvey no: 110/1A3A of Pullur Village.
3. The Panchayath decided to inform the Authorities regarding the consent of the Panchayath in constructing the Multi-Purpose Cyclone Shelter.
4. The Panchayath in decision no. 37/16 (3) dated 31/05/2016 has informed the District Collector Kasargod regarding the decision taken by Pullur Periya Gramapanchayath.

3. MPCS AT KUDLU (SHIRIBAGILU) VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/KSD/ KAS/KUDLU-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kasargod
Taluk	Kasargod
Village	Kudlu (Shiribagilu)
Panchayath/Municipal Corporation	Madhur Gramapanchayath
Survey Number	Block 37, Survey number: 232
Latitude	12° 32' 25.9"N
Longitude	74° 59' 38.3"E
Mean Sea Level	50 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1500 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
d. Private Land	Nil
e. Government Land	700 SQ.M
f. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	Chowki-Uliyathaduka road
Existing road	ROW: 12 m
Proposed road	No approach road proposed.
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is 2 km from the stream of Madhuvahini river.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (4 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is only 1500 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 700 SQ.M of land under ownership of Revenue Department.

Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Kudlu (Shiribagilu) Village of Kasargod taluk in Kasargod District. The site is entitled to Revenue Department.

The site is located at a distance of 4 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments (under ASI's Central/State list).

The site is a barren land near to the main road and a school and Mosque is located near to the site. Electric poles and lines are located to the south of the site.

Approach roads

The site is directly accessible from the Chowki-Uliyathaduka main road. Upgradation of existing approach road is not proposed.

Demography of Kudlu (Shiribagilu) Village

According to 2011 Census, the village has 1449 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	7,630
Male	3,757
Female	3,873
In the age group 0-6 years	944
Scheduled Castes (SC)	314
Scheduled Tribes (ST)	89
Literates	5,955
Illiterate	1,675
Worker	2,518
Non Worker	5,112

Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Kudlu (Shribagilu) MPCS is only 700 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Kudlu (Shiribagilu) MPCS is 4 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Kudlu (Shribagilu) MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1.Aerial view of the site



2. View of the site from access road



3.View of the site



4.Access road near to the site (Electric poles and lines can be seen)

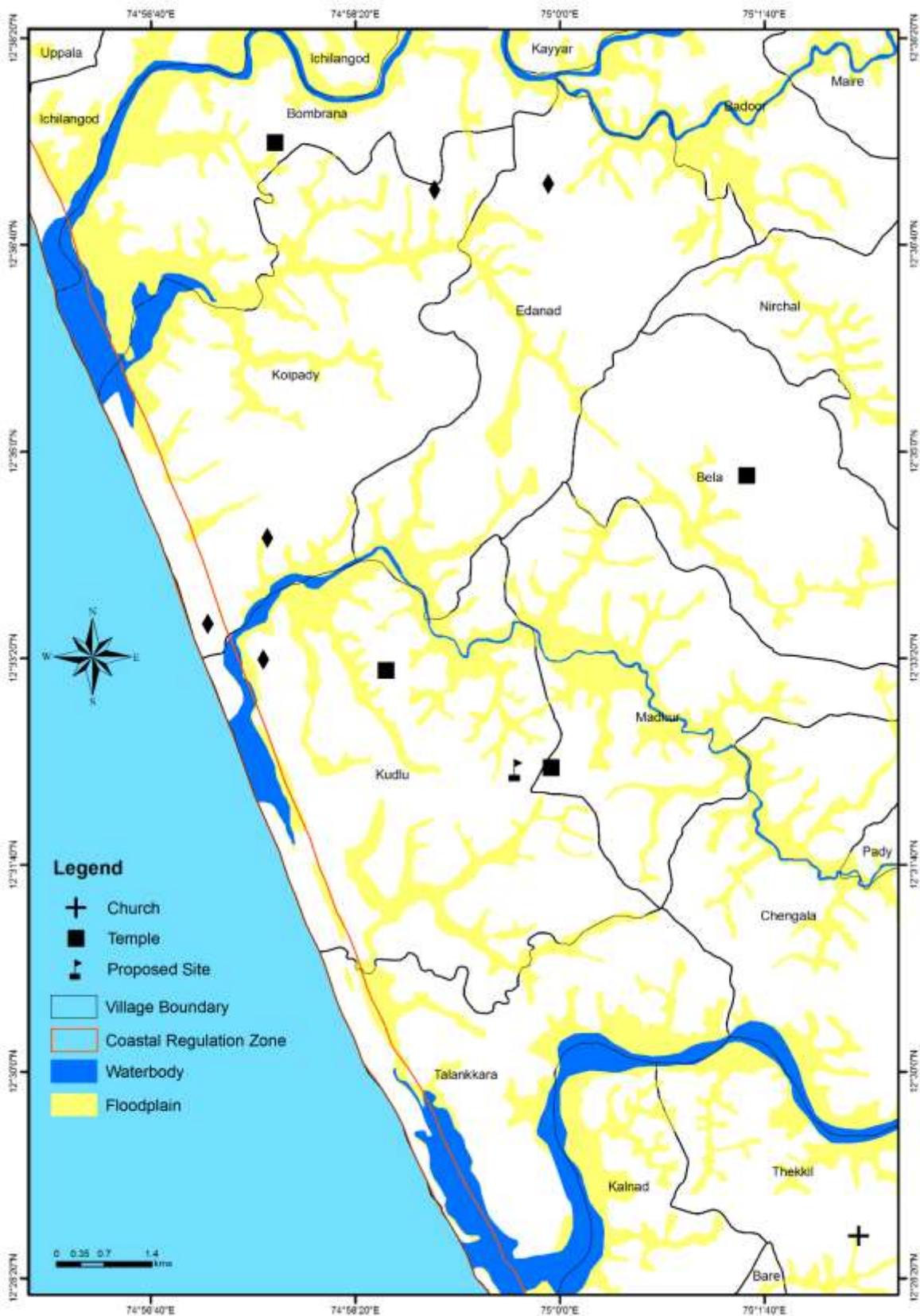


Fig 2: GIS map of MPCS at Kudlu (Shiribagilu) Village

PART C: PANCHAYATH RESOLUTION

District	Kasargod
Village	Kudlu (Shiribagilu)
Panchayath	Madhur Gramapanchayath
Place	Madhur
Date	02.06.2016

2/6/16



MADHUR GRAMA PANCHAYAT
Local Self Government



Phone: 04994-230427(O)
P.O Madhur,
Kasaragod District -671124
Secmadhurgp@gmail.com

Secretary

Ref. No. 5517/2016 Date : 02/06/2016

To
The District Collector
Kasaragod.

26151/16.

Sir,

Sub : Construction of Cyclone Disaster Shelter NOC Submitting Reg-
Ref: NO .K1-8441/2016 (1) Dated 1/06/2016 of District Collector
Kasaragod

With reference to the above .I hereby issue N.O.C on behalf of
Panchayat for construction of three multipurpose Cyclone shelters for
kasaragod district in R.S NO -232,Uliyathaduka,Shiribagilu village of Madhur
Panchayat

Yours Faithfully

 Secretary
 Madhur Grama Panchayat



Summary of the Panchayath meeting decision:

1. The Madhur Gramapanchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 on 02.06.2016 for constructing a Multi-Purpose Cyclone Shelter in Kudlu (Shiribagilu) Village.
2. The Panchayath has no objection in constructing a MPCS at Resurvey no: 232 of Kudlu (Shiribagilu) Village.
3. The Panchayath in its letter no 5517/2016 dated 02.06.2016 decided to inform the Authorities regarding the consent of the Panchayath in constructing the Multi-Purpose Cyclone Shelter.

3. District: Kannur

Kannur

Kannur district lies between latitudes 11° 40' to 12° 48' North and longitudes 74° 52' to 76° 07' East. The district is bounded by the Western Ghats in the East (Coorg district of Karnataka State), Kozhikkode and Wayanad districts, in the South, Arabian Sea in the West and Kasaragod (the northern end district of Kerala) in the North.

The district can be divided into three geographical regions - highlands, midlands and lowlands. The highland region comprises mainly of mountains. The midland region, lying between the hillocks and the low lands, is made up of undulating hills and valleys. The lowland is comparatively narrow in width and comprises of rivers, deltas and seashore. This is a region of coconut and paddy cultivation.

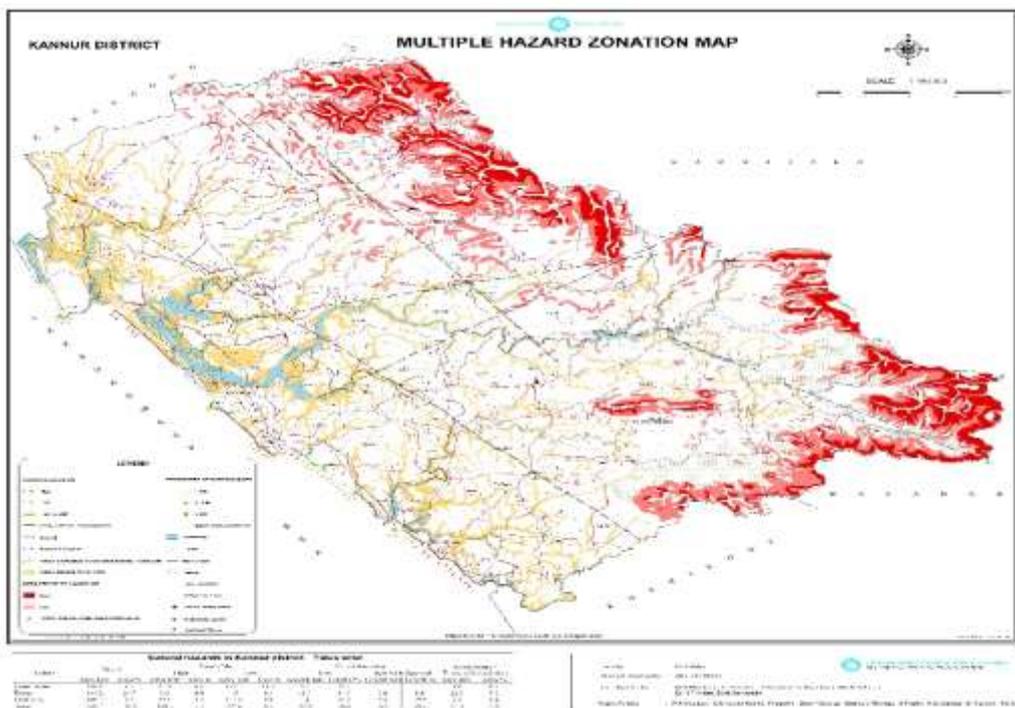
The sites selected for construction of Multipurpose Cyclone shelters in Kannur District are at Kannur-2 Village and Kadirur village of Kasargod District.

Profile of Kannur	
<i>Headquarters</i>	Kannur
<i>Total Population</i>	25,25,637
<i>Male</i>	11,84,012
<i>Female</i>	13,41,625
<i>Population Growth</i>	3.47%
<i>Density/Km2</i>	852
<i>Number of Taluks</i>	4
<i>Number of Villages</i>	129
<i>Number of Panchayath Wards</i>	81
<i>Forest Area</i>	187.90 Km2
<i>Average Rainfall</i>	3,438 mm
<i>Temperature</i>	Min: 26°C Max:35°C
<i>Number of major rivers</i>	12
<i>Major Soil</i>	Coastal plain soil

Vulnerability Assessment of the District

With a length of 110 Kms, the Valapattanam River, which originates from the Western Ghats, is the longest river in the district. The main tributaries of the river are Valiapuzha and Aralampuzha. The main other rivers in the district are passing through Kuppam, Mahe, Anjarakkandy, Thalassery, Ramapuram and Perumba. The banks of these rivers are prone to flooding during monsoon. Rough sea, high waves and coastal erosion are the major hurdles of the community.

Taluks in the district	Flood		Coastal Erosion				Storm surge/ Tsunami inundation
			Low		High With sea wall		
	Area km2	Area %	Length Km	Length %	Length Km	Length %	Area km2
Thaliparamba	116.4	8.8	2.6	29.3	-	-	3.8
Kannur	116.2	26.7	13.3	31.5	3.8	8.9	22.5
Thalassery	106.2	8.8	1.4	10.1	5.6	39.2	4.8
Total	339.2	11.4	17.4	26.6	9.3	14.3	31.1



Source: National Centre for Earth Science Studie

1. MPCS AT KANNUR-2 VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/KNR/KAN/KANNUR2-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kannur
Taluk	Kannur
Village	Kannur 2
Panchayath/Municipal Corporation	Kannur Municipal Corporation
Survey Number	Ward no. 3, Block no: 1, TS 44
Latitude	11° 52' 20.5"N
Longitude	75° 21' 33.5"E
Mean Sea Level	49m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1800 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
d. Private Land	Nil
e. Government Land	900 SQ.M
f. Forest Land	Nil
Existing Land use	School ground
Approach roads	
Road name	SN Park-Chalad road
Existing road	The site is directly accessible from the main road
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 meters from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	Railway line is 670m from the site.
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (0.70 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 900 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

2. Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	900 SQ.M of land in Ownership of Education department

Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Kannur-2 Village of Kannur Taluk in Kannur District. The site is entitled to Education Department.

The site is located at a distance of 700 m from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The site is located within the compound of town Higher Secondary School, Chalad. The site is part of the playground and has playground equipment which will have to be relocated. A recently prepared jumping pit was noted in the site. LBS centre for training is adjacent to the site. Construction of two classroom buildings is in progress in the school premises. The school was used as relief camps earlier during heavy rains and flooding.

Approach roads

The site is directly accessible from SN Road Chalad of 50m length and 8m ROW.

Demography of Kannu-2 Village

According to 2011 Census, the village has 11,418 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	56,823
Male	26,298
Female	30,525
In the age group 0-6 years	6,376
Scheduled Castes (SC)	2,674
Scheduled Tribes (ST)	159
Literates	48,536
Illiterate	8,287
Worker	15,324
Non Worker	41,499

Legal Clearances

Environmental Clearance

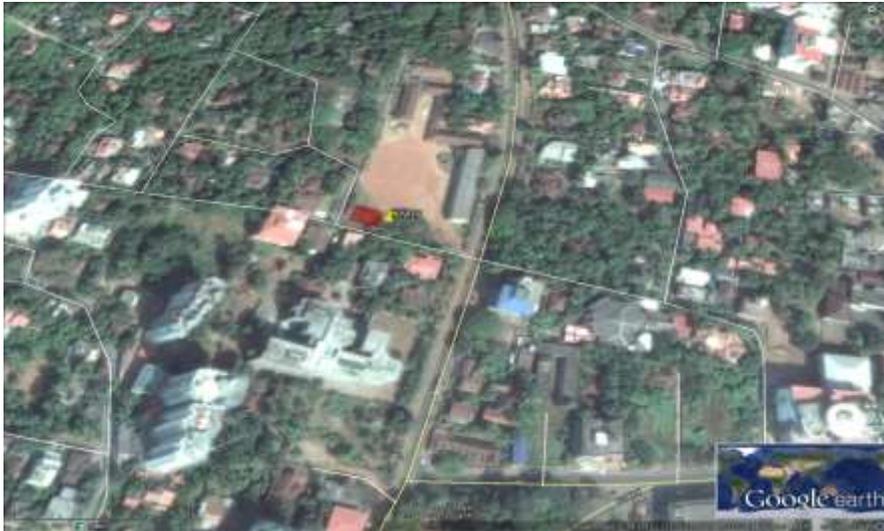
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Kannur 2 MPCS is only 1800 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Kannur 2 MPCS is 700 m from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Kannur MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



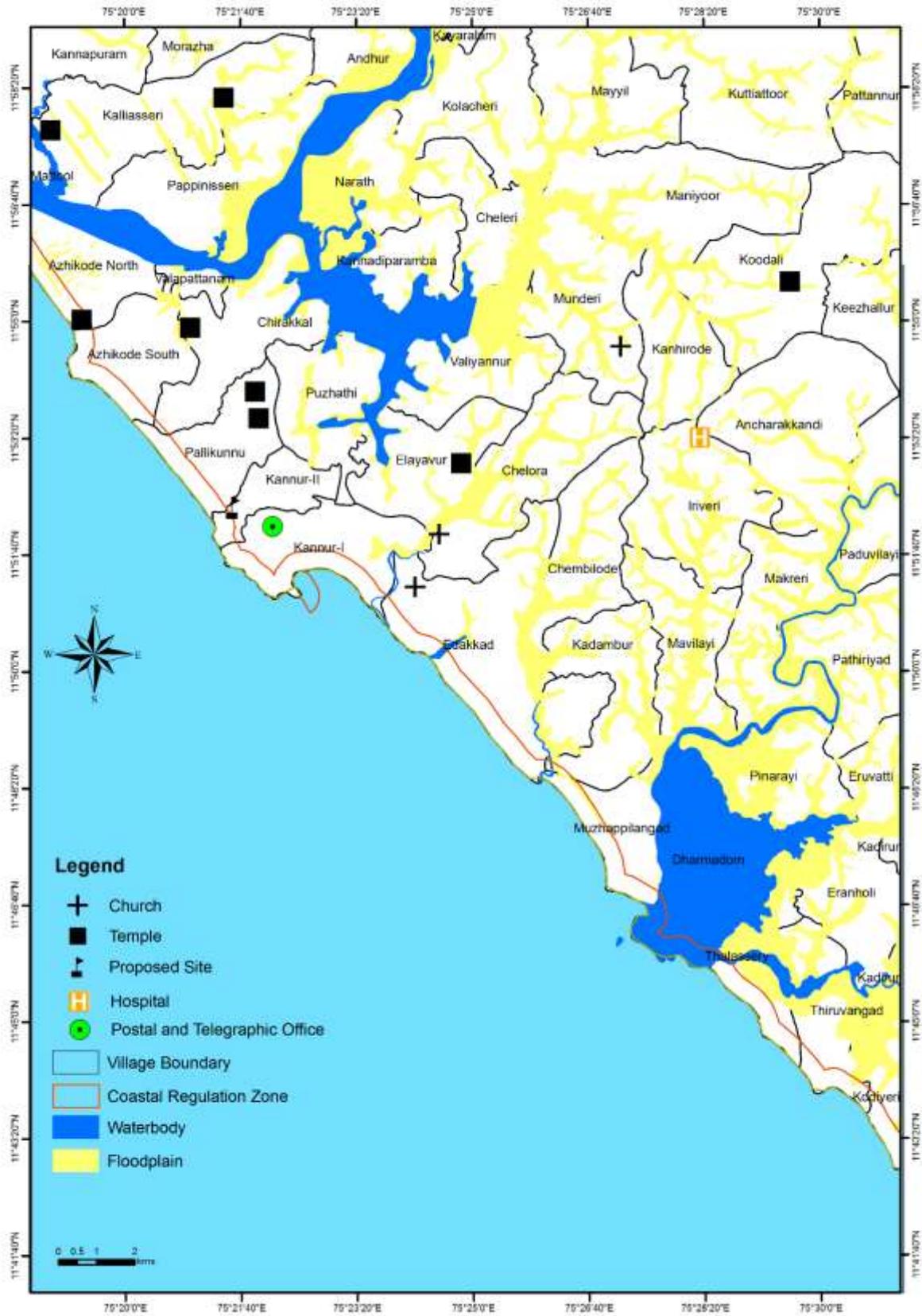
2. View of the site



3. View of the site (Jumping pit can be seen)



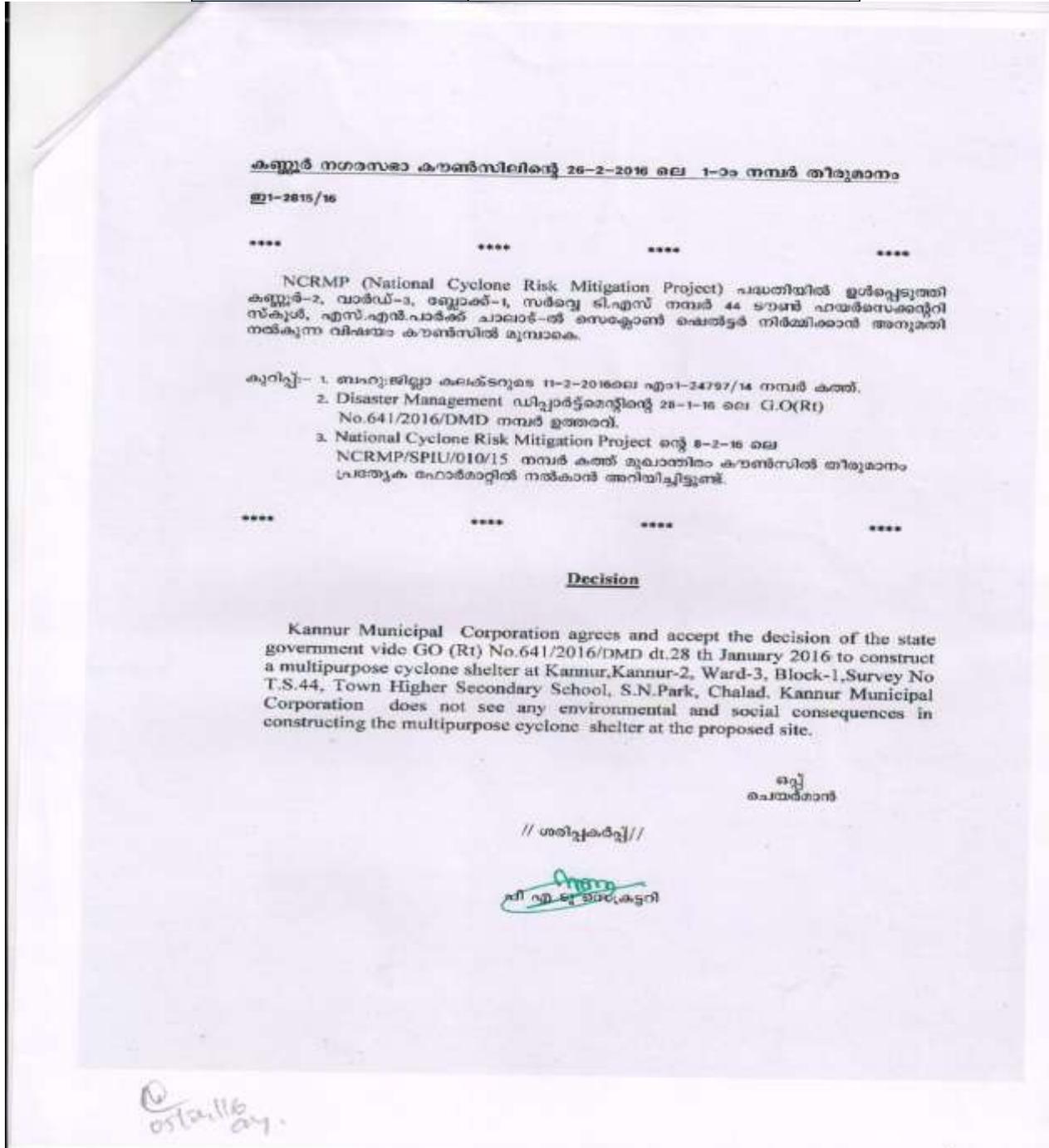
4. School premises



GIS map of MPCs at Kannur 2 Village

PART C: PANCHAYATH RESOLUTION

District	Kannur
Village	Kannur
Panchayath	Kannur Municipal Corporation
Place	Kannur
Date	20.04.2016



Summary of the Panchayath meeting decision:

3. Kannur Municipal Corporation discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 to construct a Multi-Purpose Cyclone Shelter in Kannur 2 Village as informed through Letter no. M1/24797/14 dated 11.02.2016 from District Administration, Kannur
4. Kannur Municipal Corporation in its resolution no E1/2815/16 (1) dated 26.02.2016 agrees and accepts the decision of State Government to construct MPCS at Ward no. 3, Block no: 1, TS 44, Town Higher Secondary School, Chalad. The Corporation does not see any adverse environmental and social issues in construction of MPCS at the location.

2. MPCS AT KATHIRUR VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KNR/THA/KATHIRUR-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kannur
Taluk	Thalassery
Village	Kathirur
Panchayath/Municipal Corporation	Kadirur Gramapanchayath
Survey Number	Survey number: 89/3
Latitude	11° 46' 24"N
Longitude	75° 31' 24.1"E
Mean Sea Level	77 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1000 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
g. Private Land	Nil
h. Government Land	600 SQ.M
i. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	Thalassery Coorg road
Existing road	50m Length, 5m ROW
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	

Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (5 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is only 1000 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 600 SQ.M of land under ownership of Revenue Department.
Forest Land	No	

2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Kathirur Village of Thalassery taluk in Kannur District. The site is entitled to Revenue Department.

The site is located at a distance of 5 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The site is a barren land and is used as playground at present. It was informed by the Village Officer that the MPCS could be used as community halls as no such facility is available in the village. A non-perennial stream is located to one corner of the site.

Approach roads

An approach road of 50m length and 5m ROW connects the site to Thalassery Koorg main road.

Demography of Kathirur Village

According to 2011 Census, the village has 6817 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	31,087
Male	13,926
Female	17,161
In the age group 0-6 years	3,030
Scheduled Castes (SC)	366
Scheduled Tribes (ST)	75
Literates	27,403
Illiterate	3,684
Worker	9,381
Non Worker	21,706

Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Kathirur MPCS is only 1000 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Kathirur MPCS is 5 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Kathirur MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



2. Aerial view of the site



2. View of the site



3. Entry to the site



4. View of the site



GIS map of MPCS at Kathirur Village

PART C: PANCHAYATH RESOLUTION

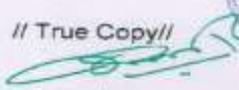
District	Kannur
Village	Kathirur
Panchayath	Kadirur Gramapanchayath
Place	Kathirur
Date	25.02.2016

Kadirur Gramapanchayat
Resolution No 21/16 of the ordinary meeting conducted on
25/02/2016

Agenda 3
Letters and Government orders

Resolution 21/16
Kadirur Gramapanchayat agrees and accepts the decision of the state Government vide GO(Rt)No 641/2016/DMD dated 28th January 2016 to construct a multi purpose cyclone shelter at Revenue Land in Ponniam, Kadirur survey number 89/3. Kadirur Gramapanchayat does not see any environmental and social consequences in constructing the multi purpose cyclone shelter at the proposed site.

(Signed)
President
Kadirur Gramapanchayat

// True Copy//

Secretary
Kadirur Gramapanchayat



Handwritten notes:
PCC
ESS
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Summary of the Panchayath meeting decision:

5. Kadirur Gramapanchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 on 28.01.2016 for constructing a Multi-Purpose Cyclone Shelter in Kadirur Village.
6. The Panchayath in its resolution no. 21/16 dated 25/02/2016 agreed and accepted the decision of the Government to construct a MPCS at Survey no: 89/3 of Kadirur Village.
7. The Panchayath in decision no. 37/16 (3) dated 31/05/2016 has informed the District Collector Kasargod regarding the decision taken by Kadirur Gramapanchayath.

4. District: Kozhikode

Kozhikode District

The district of Kozhikode is 38.25% urban and is bordered by Kannur district to the North, Wayanad to the East, and Malappuram to the South. To the West, lies the Arabian Sea. The district is situated between latitudes 11° 08'N and 11° 50'N and longitudes 75°30'E and 76°8'E.

It has an elevation of 1 metre along the coast with the city's eastern edges rising to at least 15 metres, with a sandy coastal belt and a lateritic midland. The district has a 80 km long shoreline and small hills dot the terrain in the eastern and central regions.

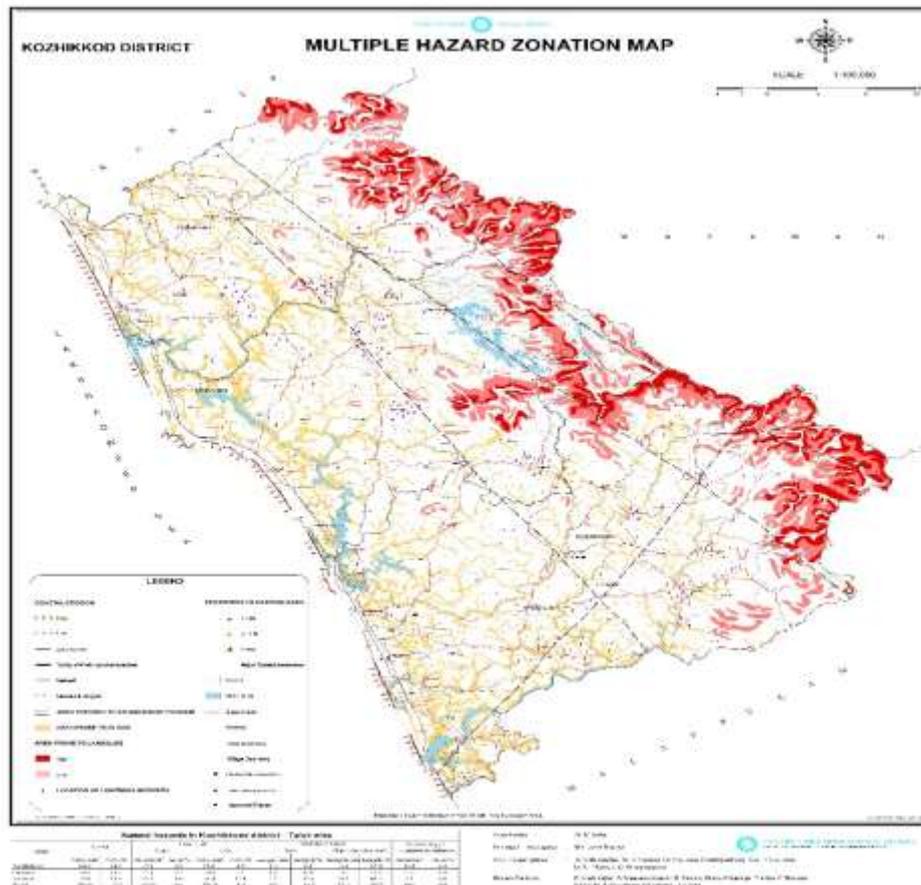
The sites selected for construction of Multipurpose Cyclone shelters in Kozhikode District are at Thikkodi Village and Kasaba village.

Profile of Kozhikode	
<i>Headquarters</i>	Kozhikode
<i>Total Population</i>	30,89,543
<i>Male</i>	14,73,028
<i>Female</i>	16,16,515
<i>Population Growth</i>	7.31%
<i>Density/Km2</i>	1318
<i>Number of Taluks</i>	4
<i>Number of Villages</i>	118
<i>Number of Panchayath Wards</i>	75
<i>Forest Area</i>	41386 Km2
<i>Average Rainfall</i>	3,200mm
<i>Temperature</i>	Min: 22°C Max:39.4°C
<i>Number of major rivers</i>	6
<i>Major Soil</i>	Sandy soil and Laterite soil

Vulnerability Assessment of the District

The banks of major rivers such as Mahe River, Murad (Kuttiady) river, Chaliyam River, Kallai River are prone to flooding during monsoon. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluks in the district	Flood		Coastal Erosion				Storm surge/ Tsunami inundation	
			Low		High			
	Area km2	Area %	Length Km	Length %	With sea wall		Area km2	Area %
					Length Km	Length %		
Kozhikode	133.5	12.9	2.4	8.2	11.2	37.8	10.5	1.0
Quilandy	86.6	11.7	4.4	13.9	13.5	42.9	6.3	0.9
Vadakkara	67.8	11.8	1.7	10.4	10.7	67.0	2.1	0.4



Source: National Centre for Earth Science Studies

2. MPCS AT THIKKODI VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/KZK/QUI/THIKKODI-2
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	kozhikode
Taluk	Quilandy
Village	Thikkodi
Panchayath/Municipal Corporation	Thikkodi Gramapanchayath
Survey Number	Survey number: 82/4C2
Latitude	11° 30' 14.6"N
Longitude	75° 37' 34.9"E
Mean Sea Level	13 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	12000 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
g. Private Land	Nil
h. Government Land	700 SQ.M
i. Forest Land	Nil
Existing Land use	Barren land, part of School ground
Approach roads	
Road name	The site is accessible from National highway
Existing road	-
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	

Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 meters from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	Railway line is 300m from the site.
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1.5 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 700 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required		
CRZ clearance		Not applicable
Environmental clearance		Not applicable
Forest clearance		Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

3. Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	

Government Land	Yes	700 SQ.M of land in Ownership of Education department
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The site is a barren land to the rear side of the playground of G.V.H.S.S, Payyoli with direct access from a side road that is 100m away from National Highway.

The site is located at a distance of 1.5 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The MPCS could be used for school activities as well as Community hall. The District Administration has reported that a vulnerable population that figures to 800 from the locality may have to be accommodated in the shelter during an event of emergency.

Approach roads

The site is accessible from National highway. Upgradation of existing road is not proposed.

Demography of Thikkodi Village

According to 2011 Census, the village has 6201 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	27,051
Male	12,334
Female	14,717
In the age group 0-6 years	3,119
Scheduled Castes (SC)	1,416
Scheduled Tribes (ST)	27
Literates	22,410
Illiterate	4,641
Worker	6,749
Non Worker	20,302

Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Thikkodi MPCS is only 1200 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Thikkodi MPCS is 1.5 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Thikkodi MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



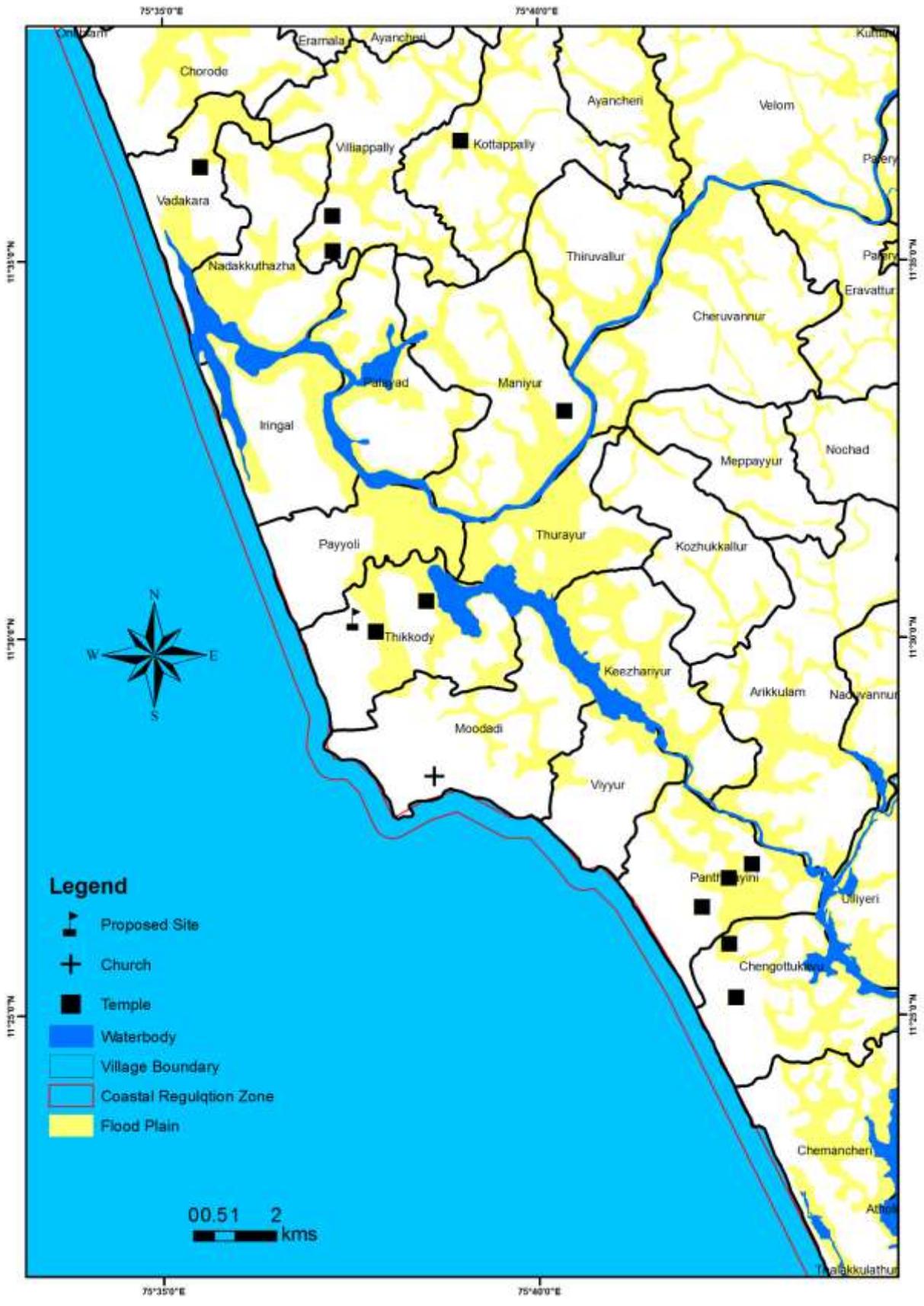
2. View of the site



3. View from approach road



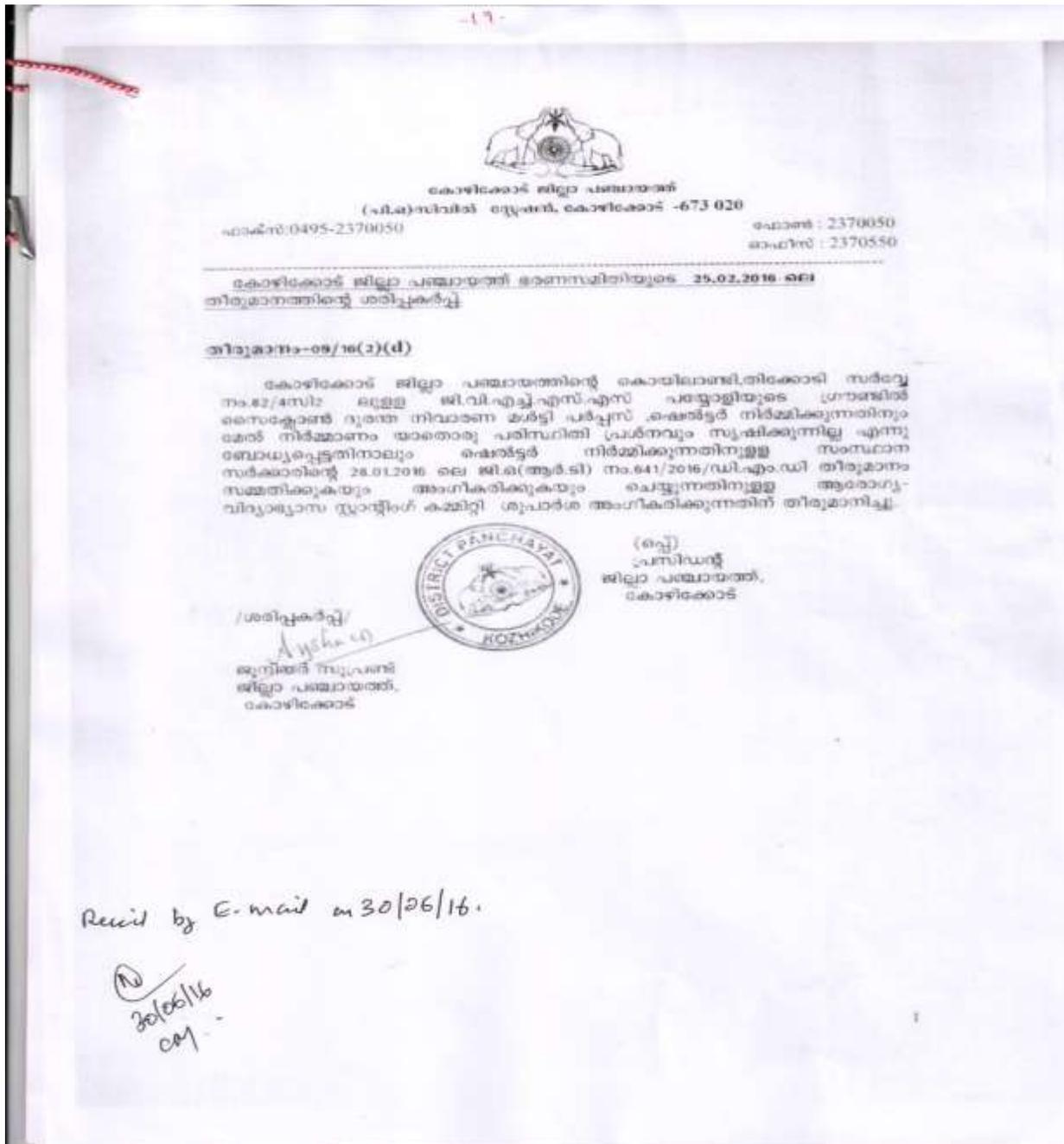
4. View of the site



GIS map of MPCs at Thikkodi Village

PART C: PANCHAYATH RESOLUTION

District	Kozhikode
Village	Thikkodi
Panchayath	Thikkodi Gramapanchayath
Place	Thikkodi
Date	20.04.2016



Summary of the Panchayath meeting decision:

5. Kozhikode District panchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 to construct a Multi-Purpose Cyclone Shelter in the compound of G.V.H.S.S Payyoli, Survey no: 82/4C2 of Thikkodi Village.
6. The Panchayath sees no environmental or social impacts in constructing the MPCS at the site.
7. The Panchayath in its resolution no: 9/16(2) (d) agreed and accepted the decision to construct MPCS in the site.

2. MPCS AT KASABA VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KZK/KOZ/KASABA-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kozhikode
Taluk	Kozhikode
Village	Kasaba
Panchayath/Municipal Corporation	Kozhikode Corporation
Survey Number	Survey number: T.S 17-17-737/3
Latitude	11° 15' 13" N
Longitude	75° 47' 27.8" E
Mean Sea Level	68m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1200 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
j. Private Land	Nil
k. Government Land	700 SQ.M
l. Forest Land	Nil
Existing Land use	Dilapidated buildings in the site
Approach roads	
Road name	Bye pass road. An untarred road of 6m ROW connects the site to nearby main road.
Existing road	ROW: 6m
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?	Remarks if any
Biosphere reserve	No
National Park	No
Wildlife/Bird sanctuary	No
Game reserve	No
Tiger reserve/elephant reserve	No
Wetland	No

Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	The site is 1.3 km from railway
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (2 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is only 1200 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

Does the proposed sub-project activity require any land?	Remarks if any
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Private Land	No	
Government Land	Yes	Approximately 700 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	Yes 2 (Two)	Two dilapidated Disaster Shelters exists in the site which has to be demolished for site clearance.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP- Kerala

Description of Environmental and Social features

The site is within the Taluk Office compound of Kozhikode. Two dilapidated disaster shelters has to be demolished to facilitate new construction. A dilapidated survey school building exist in close proximity to the dilapidated buildings. The dilapidated buildings are being used as store houses for obsolete election materials which has to be disposed of by the Revenue authorities. Branches of some trees has to be cut to facilitate construction.

The site is located at a distance of 2 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The MPCS could be used for various purposes of the District Administration as well as training for Survey staff. The District Administration has reported that a vulnerable population that figures to 2800 from the locality may have to be accommodated in the shelter during an even of emergency.

Approach roads

An untarred road of 6m ROW connects the site to nearby main road. Upgradation of existing approach road is not proposed.

Demography of Kasaba Village

According to 2011 Census, the village has 2468 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	10,717
Male	5,283
Female	5,434

In the age group 0-6 years	944
Scheduled Castes (SC)	691
Scheduled Tribes (ST)	22
Literates	9,557
Illiterate	1,160
Worker	3,516
Non Worker	7,201

Legal Clearances

Environmental Clearance

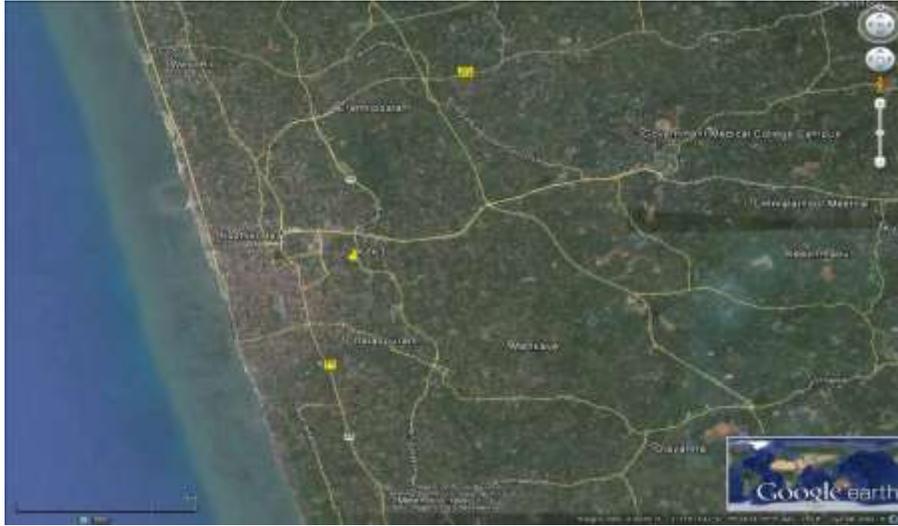
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Kasaba MPCS is only 700 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Kasaba MPCS is 2 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Kasaba MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



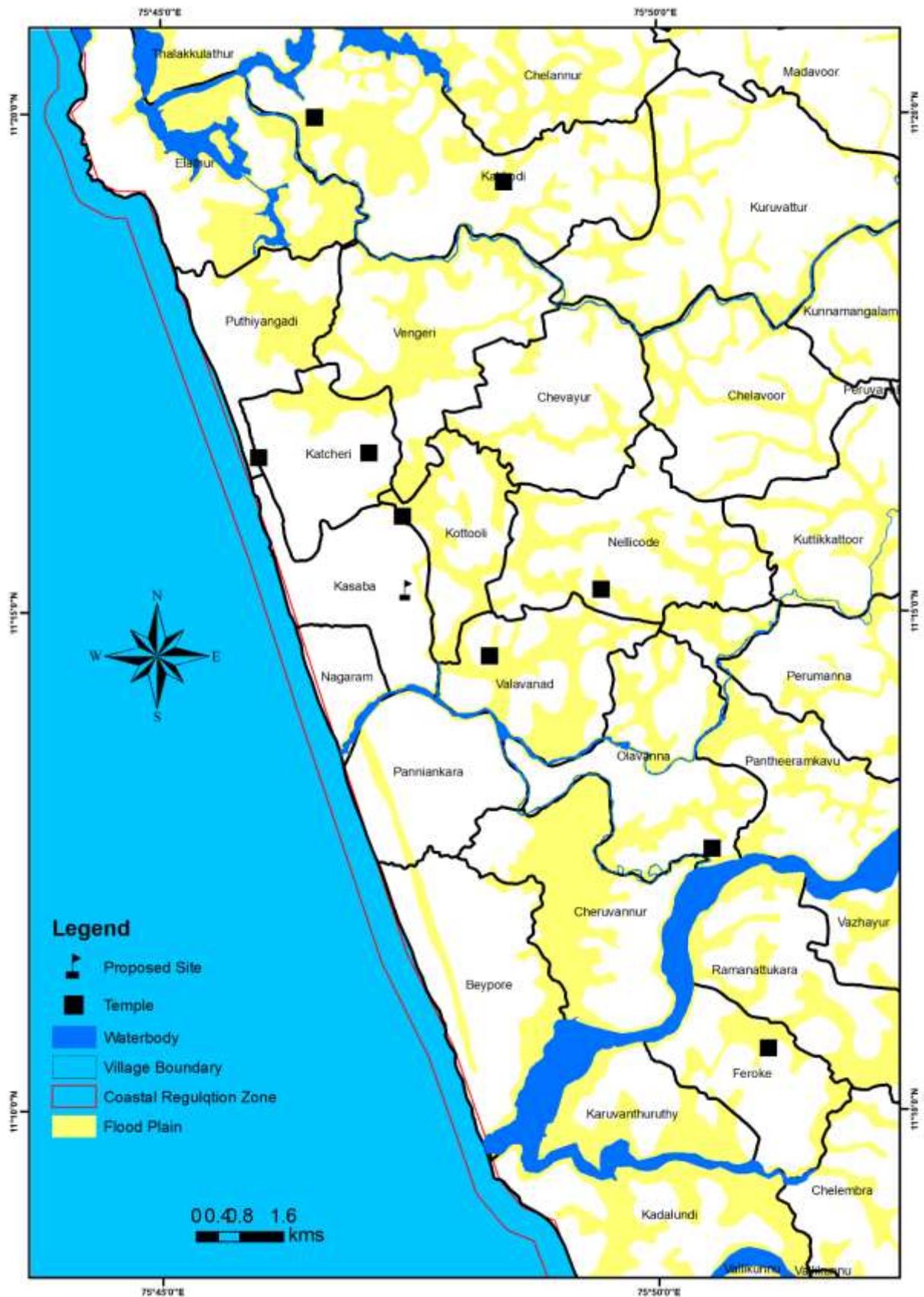
1.and 2. Aerial view of the site



3. Dilapidated shelters in the site



4. View of pooch road (Dilapidated shelter seen to the left side)



GIS map of MPCS at Kasaba Village

PART C: PANCHAYATH RESOLUTION

District	Kozhikode
Village	Kasaba
Panchayath	Kozhikode Corporation
Place	Kasaba
Date	

Summary of the Panchayath meeting decision:

5.District: Malappuram

Malappuram District

The district, in northern Kerala, is bounded on the northeast by Wayanad, on northwest by Kozhikkode districts, on the northeast by Tamil Nadu, on the southeast and south by Palakkad District, on the southwest by Thrissur District and on the west by the Arabian Sea with coastline of 70 kms. Streams are linked with backwaters which facilitate a network of inland waterways in the district. The midland region is fertile while the hilly tract has dense forests and extensive teak plantations. The coastal plain extend as a narrow stretch of land lying along the coast from Kadalundi Nagaram to Ponnani.

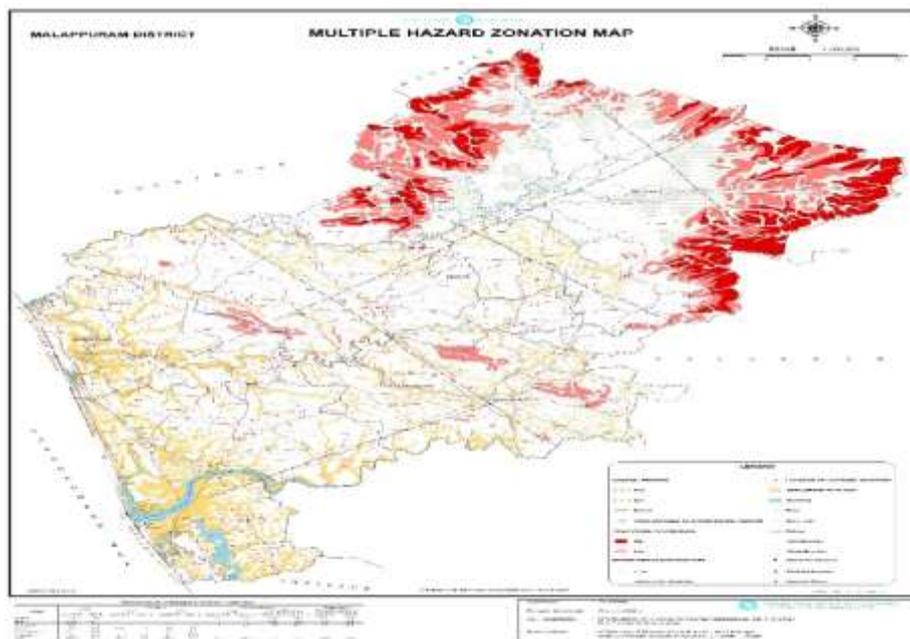
The sites selected for construction of Multipurpose Cyclone shelters in Malappuram District are at Vettom Village and Perumpadappu village.

Profile of Malappuram	
<i>Headquarters</i>	Malappuram
<i>Total Population</i>	41,12,920
<i>Male</i>	19,60,328
<i>Female</i>	21,52,592
<i>Population Growth</i>	13.39%
<i>Density/Km2</i>	1157
<i>Number of Taluks</i>	7
<i>Number of Villages</i>	138
<i>Number of Panchayath Wards</i>	100
<i>Forest Area</i>	1034.7 Km2
<i>Average Rainfall</i>	3,500mm
<i>Temperature</i>	Min: 24°C Max:33°C
<i>Number of major rivers</i>	4
<i>Major Soil</i>	Sandy soil, laterite soil

Vulnerability Assessment of the District

The banks of major rivers Chaliyar, Kadalundi, Purapparamba, Tirur and Bharathapuzha prone to flooding during monsoon. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluks in the district	Flood		Coastal Erosion				Storm surge/ Tsunami inundation	
			Low		High			
	Area km2	Area %	Length Km	Length %	Length Km	Length %	Area km2	Area %
Ponnani	80.1	40.2	5.2	43.5	4.3	36.1	7.5	3.8
Tirur	109.6	24.4	-	-	1.0	4.0	10.3	2.3
Tirurangadi	78.7	24.1	1.2	9.7	10.0	80.9	2.9	0.9
Eranad	100.7	14.4	-	-	-	-	-	-
Perinthalmanna	81.2	16.1	-	-	-	-	-	-
Nilambur	151.3	11.0	-	-	-	-	-	-



Source: National Centre for Earth Science Studies

3. MPCS AT VETTOM VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/MPM/TIR/VETTOM-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Malappuram
Taluk	Tirur
Village	Vettom
Panchayath/Municipal Corporation	Vettom Gramapanchayath
Survey Number	Survey number: 23/6
Latitude	10° 54' 1.6"N
Longitude	75° 53' 32.4"E
Mean Sea Level	12 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1200 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
j. Private Land	Nil
k. Government Land	600 SQ.M
l. Forest Land	Nil
Existing Land use	Barren land, School ground
Approach roads	
Road name	Tippu Sulthan Road
Existing road	12m ROW
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	

Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 meters from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	-	The site is located 150m to the west of Kanoli canal
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (600 m from HTL) and 150m from Kanoli canal
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is only 600 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

4. Does the proposed sub-project activity require any land?	Remarks if any
Private Land	No

Government Land	Yes	600 SQ.M of land in Ownership of Education department
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

Description of Environmental and Social feature

The proposed site is within the premises of Government Mappila Upper Primary School, Pavaranna which extends to 2.5 acres of land. The school was earlier used as relief camps during events of heavy rain and floods. The MPCS could be used for school activities during peace time. The school has student strength of 978 students with possibility of upgradation to High school. An Anganwadi functions near to the site. A tree is located in the site, construction has to be planned in such as to avoid felling the tree. The site is in close proximity to vulnerable population. The site is accessible from the nearby main road and has access to all basic amenities such as water and power supply.

The site is located at a distance of 2 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list]. The site is located 150m to the west of Kanoli canal.

Approach roads

The site is accessible from Tippu Sulthan road which is 12m in ROW. Upgradation of existing approach road is not proposed.

Demography of Vettom Village

According to 2011 Census, the village has 6577 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	37,456
Male	17,401

Female	20,055
In the age group 0-6 years	5,081
Scheduled Castes (SC)	1,367
Scheduled Tribes (ST)	57
Literates	29,816
Illiterate	7,640
Worker	9,421
Non Worker	28,035

Legal Clearances

Environmental Clearance

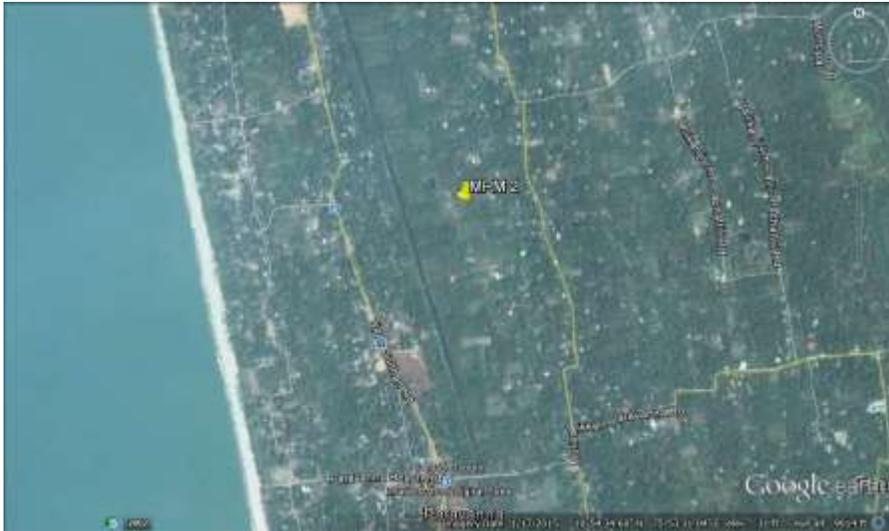
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Vettom MPCS is only 1200 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Vettom MPCS is 2 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Vettom MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



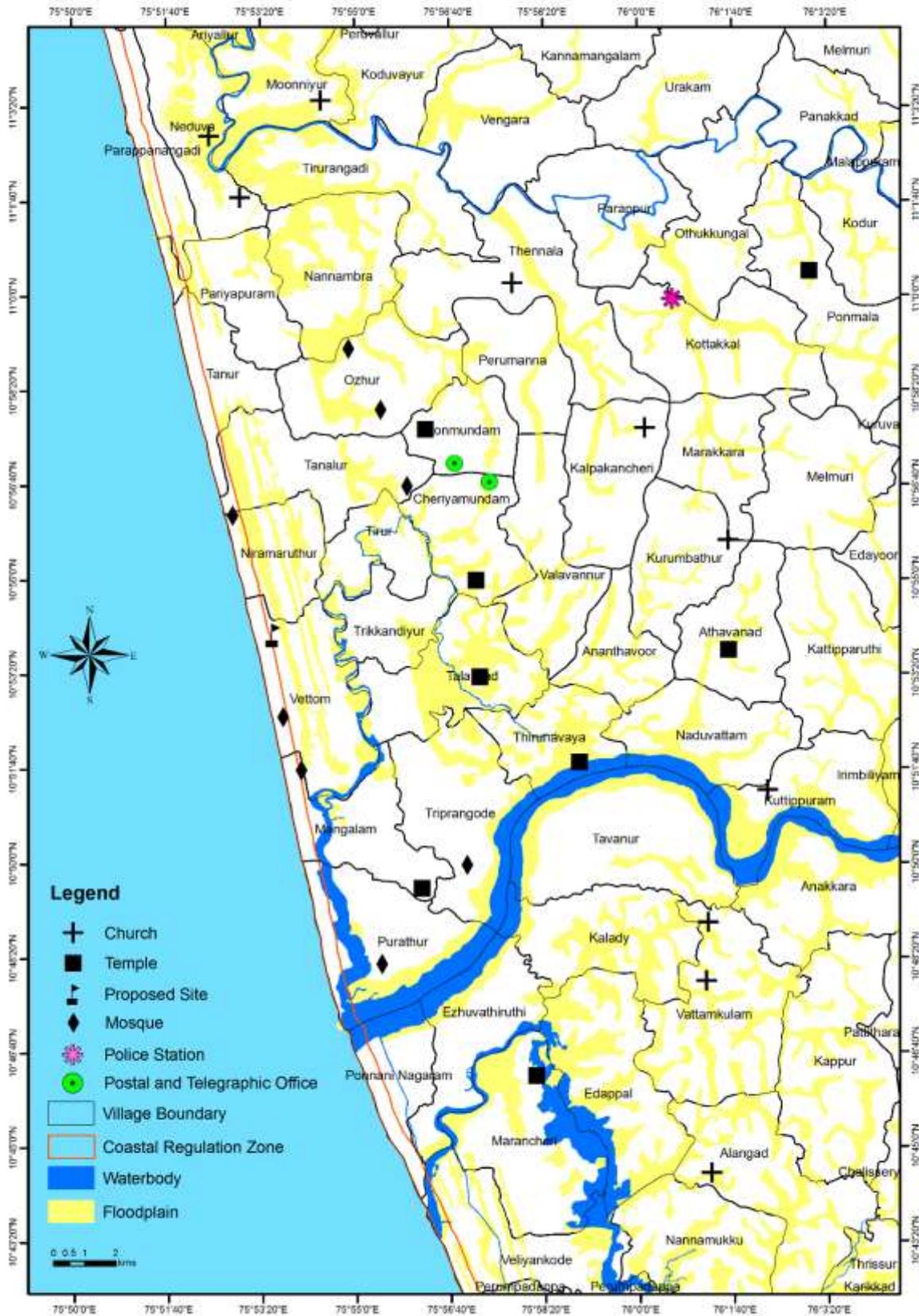
2. View of the site



3. Tree located in the site



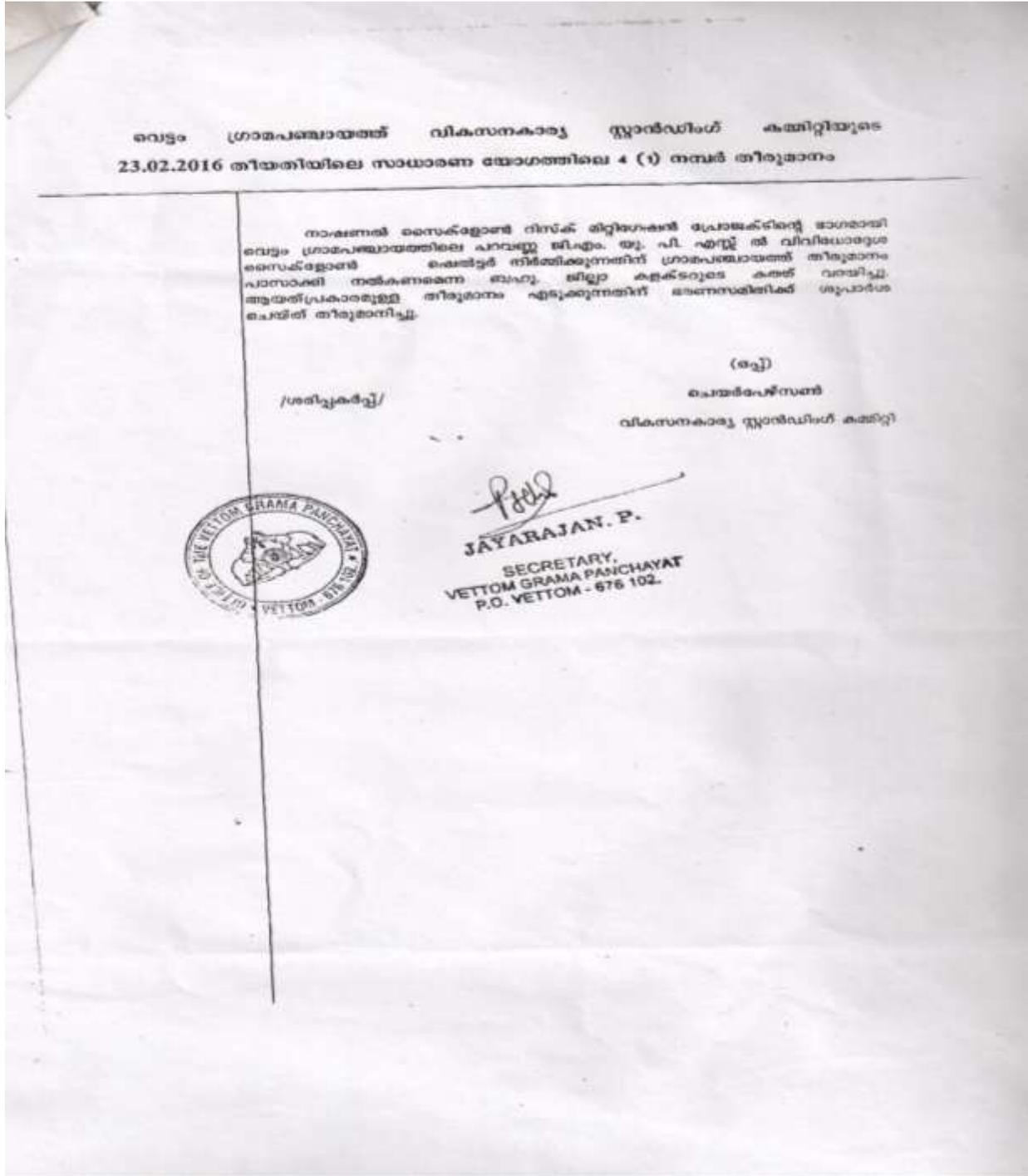
4. School premises and school ground



GIS map of MPCs at Vettom Village

PART C: PANCHAYATH RESOLUTION

District	Malappuram
Village	Vettom
Panchayath	Vettom Gramapanchayath
Place	Vettom
Date	20.04.2016



വെട്ടം ഗ്രാമപഞ്ചായത്ത്

27.02.2016 തീയതിയിലെ സാധാരണ യോഗത്തിലെ

III (2) നമ്പർ തീരുമാനം

23.02.2016 തീയതിയിലെ വികസനകാര്യ സ്റ്റാൻഡിംഗ് കമ്മിറ്റിയുടെ 4 (1) നമ്പർ തീരുമാനം വായിച്ചു. ശുപാർശ പ്രകാരം താഴെ ചേർക്കും പ്രകാരമുള്ള തീരുമാനം കൈക്കൊണ്ടു.

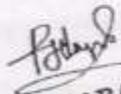
"Vettom Grama Panchayat agrees and accepts the decision of the state government vide GO(RT) No. 641/2016/DMD dated 28.01.2016 to construct a multipurpose cyclone shelter at GMUP School Pravanna, Vettom Village. Vettom Grama Panchayat does not see any environmental and social consequences in constructing the MPCS at the proposed site."



//ശരിപ്പിക്കുക//

(ഒപ്പ്)

ഗവർണ്ണർ


JAYARAJAN. P.
SECRETARY,
VET TOM GRAMA PANCHAYAT
P.O. VET TOM - 876 102.

Summary of the Panchayath meeting decision:

8. Vettom Gramapanchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 to construct a Multi-Purpose Cyclone Shelter in the compound of G.M.U.P.S, Paravanna of Vettom Village as informed from District Administration
9. Vettom Gramapanchayath in its resolution no III (2) dated 27.02.106 considered the decision taken in the Works Standing committee meeting held on 23.02.2016 and has agreed and accepted the decisions of the state Government vide G.O (Rt) no. 641/2016/DMD dated 28.01.2016 to construct a Multi-Purpose Cyclone Shelter in the compound of G.M.U.P.S, Paravanna of Vettom Village.
10. Vettom Gramapanchayath does not see any adverse environmental or social consequences in constructing the MPCS at the site.

2. MPCS AT PERUMPADAPPU VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KSD/HQS/PULLUR-1
Type of proposed sub-project activity	MPCS
Location of the sub-project activity	
State	Kerala
District	Kasargod
Taluk	Malappuram
Village	Hosdurg
Panchayath/Municipal Corporation	Pollam
Survey Number	Pullur-Periya Gramapanchayath
Latitude	Perumpadappu Gramapanchayath
Longitude	Survey number: 108/7
Mean Sea Level	Survey number: 110/1A3A
Size of the sub-project	10° 45' 6.1" N
Cyclone Shelter – approx. built up area	75° 57' 29.8" E
Land requirement for the sub project (in Ha or m ²)	10 m 6' 1.4" E
Total Requirement	49m
m. Private Land	1000 SQ.M
n.a. Government Land	Nil
b. Forest Land	600 SQ.M
Existing Land use	1300 SQ.M
Approach roads	Nil
Road name	Barren land
Existing road	Barren land
Proposed road	National Highway
Boundary wall requirement	Pullur-Pannikunnu road (Haripuram Mengoth Kodavalam Road)
Proposed road	No approach road proposed
Boundary wall requirement	NO
Proposed road	NO
Boundary wall requirement	NO
Proposed road	No approach road proposed.
Boundary wall requirement	No.

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	Paddy field are found within 1km radius of the site
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	

Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (750 m from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is only 1000 SQ.M.
--

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

Does the proposed sub-project activity require any land?	Remarks if any
Private Land	No
Government Land	Yes Approximately 600 SQ.M of land under

		ownership of Education Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The site is within the premises of G.H.S.S, Palappetty of Perumpadappu village and is positioned towards one corner of the school playground. Construction without encroaching the playground has to be ensured. The school has student strength of 900. A toilet building is positioned adjacent to the proposed site. The school was used as relief camp five years back. The MPCs could be used for school related activities. A campus planning has to be done to ensure that the MPCs is oriented in a manner that will not lead to loss of school playground.

The site is located at a distance of 750 m from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. Paddy fields are found within 1 km radius of the site.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

Approach roads

The site is directly accessible from National Highway. Upgradation of existing approach road is not proposed.

Demography of Perumpadappu Village

According to 2011 Census, the village has 5876 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	29,766
Male	13,553
Female	16,213
In the age group 0-6 years	3,937
Scheduled Castes (SC)	321
Scheduled Tribes (ST)	28
Literates	23,858

Illiterate	5,908
Worker	6,709
Non Worker	23,057

Legal Clearances

Environmental Clearance

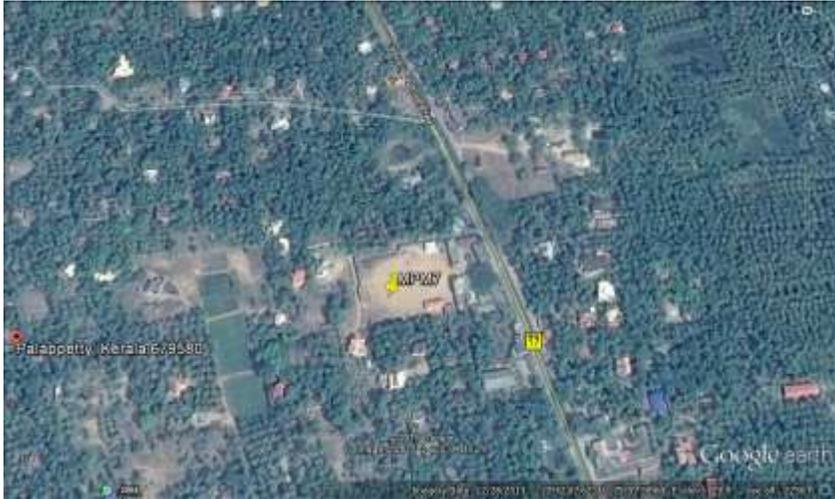
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Perumpadappu MPCS is only 1000 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Perumpadappu MPCS is 700 m from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Perumpadappu MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



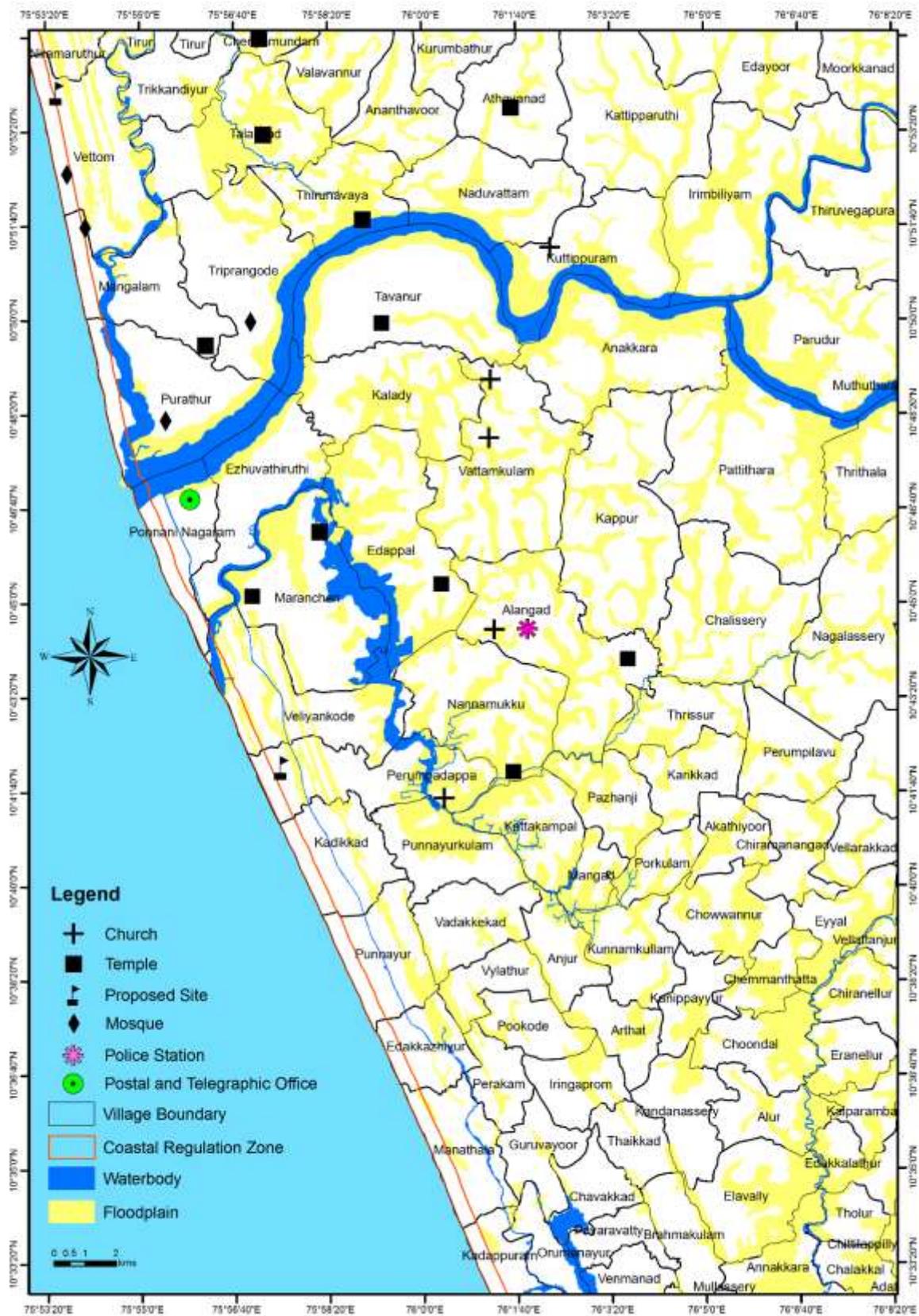
3. Aerial view of the site



2. View of the site (School building can be seen)



3 and 4. View of the site



GIS map of MPCs at Perumpadappu Village

PART C: PANCHAYATH RESOLUTION

District	Malappuram
Village	Perumpadappu
Panchayath	Perumpadappu Gramapanchayath
Place	Perumpadappu
Date	26.02.2016



Summary of the Panchayath meeting decision:

1. Perumpadappu Gramapanchayath discussed on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 for constructing a Multi-Purpose Cyclone Shelter in Perumpadappu Village informed through letter no: DM1-26374/2016 (2) dated 15.02.2016.
2. The Panchayath in its resolution no. 3(2) dated 26.02.2016 agreed and accepted the decision of the Government to construct a MPCS at Survey no: 108/, GHSS Palapetty of Perumpadappu Village.

6. District: Thrissur

Thrissur District

Thrissur is situated at 10.52°N and 76.21°E and is in the central part of Kerala. The district has a total area of 3032 Sq.Km with 54 kilometer long coastline. It is bounded on the north by Malappuram district, on the east and north by Palakkad district, on the east by Coimbatore district of Tamil Nadu, on the south by Ernakulam district, and on the west by the Arabian Sea.

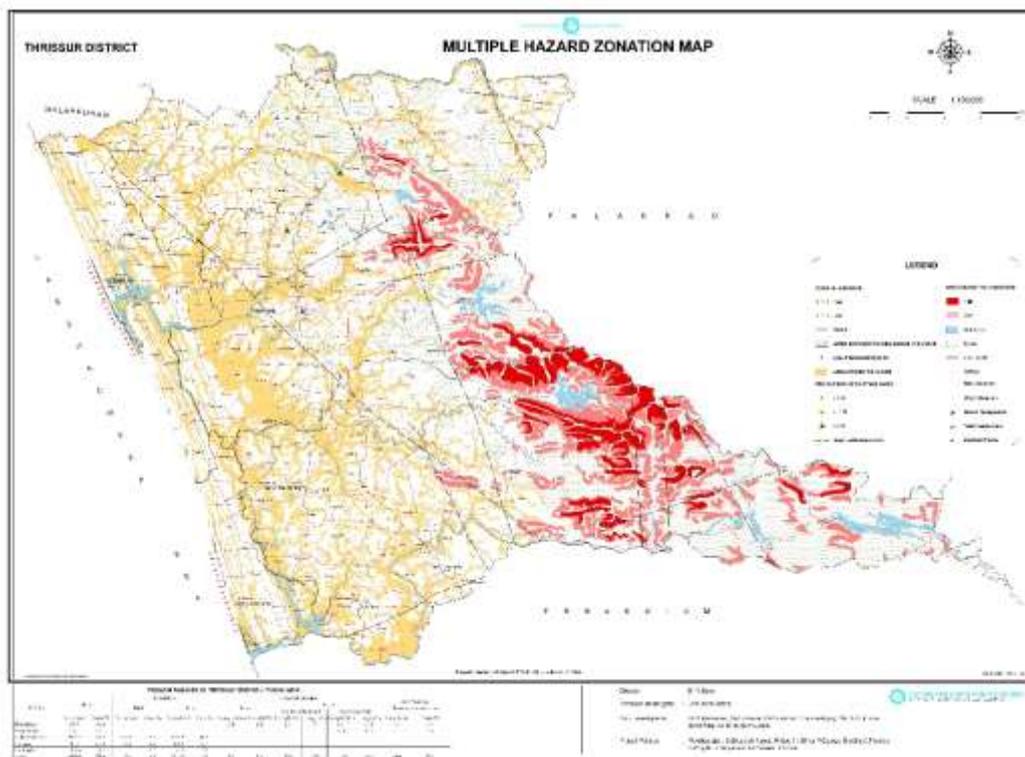
The sites selected for construction of Multipurpose Cyclone shelters in Thrissur District are at Azhikode Village and Kadappuram village.

Profile of Thrissur	
<i>Headquarters</i>	Aiyyanthol
<i>Total Population</i>	3,121,200
<i>Male</i>	1,480,763
<i>Female</i>	1,640,437
<i>Population Growth</i>	4.58%
<i>Density/Km2</i>	657
<i>Number of Taluks</i>	6
<i>Number of Villages</i>	254
<i>Number of Panchayath Wards</i>	92
<i>Forest Area</i>	1036.09 Km2
<i>Average Rainfall</i>	3,500mm
<i>Temperature</i>	Min: 25°C Max:32°C
<i>Number of major rivers</i>	5
<i>Major Soil</i>	Sandy loam, Laterite soil, Clayey soil, Alluvial soil

Vulnerability Assessment of the District

The banks of major rivers Periyar, the Chalakudy, the Karuvannur, the Kurumali River (main tributary of the Karuvannur River) and the Ponnani (Bharatha Puzha) and paddy fields are prone to flooding during monsoon. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluks in the district	Flood		Coastal Erosion						Storm surge/ Tsunami inundation	
			Low		High					
	Area km2	Area %	Length Km	Length %	Without seawall		With sea wall		Area km2	Area %
					Length Km	Length %	Length Km	Length %		
Chavakkad	89.5	36.8	1.0	2.4	2.6	6.3	8.0	19.7	9.0	3.9
Kodungallur	48.1	33.1	-	-	-	-	9.3	45.9	5.1	3.5
Mukundapuram	225.9	17.3	-	-	-	-	-	-	-	-
Thrissur	181.4	27.4	-	-	-	-	-	-	-	-
Thalappally	143.6	21.0	-	-	-	-	-	-	-	-



Source: National Centre for Earth Science Studies

4. MPCS AT AZHIKODE VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/TSR/KOD/AZHIKODE-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Thrissur
Taluk	Kodungallor
Village	Azhikode
Panchayath/Municipal Corporation	Eriyad Gramapanchayath
Survey Number	Survey number: 298/2
Latitude	10° 12' 4.7"N
Longitude	76° 10' 6.1"E
Mean Sea Level	20 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1800 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
m. Private Land	Nil
n. Government Land	900 SQ.M
o. Forest Land	Nil
Existing Land use	Unused land with Trees and shrubs
Approach roads	
Road name	Azhikode-Chamakkala road
Existing road	Site is directly accessible from main road
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	

Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 meters from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1.2 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 900 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

5. Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	900 SQ.M of land in Ownership of Revenue department
Forest Land	No	

2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	A few number of trees has to be cut down to facilitate construction of MPCS.
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Azhikode Village of Kodungalloor Taluk in Thrissur District. The site is entitled to Revenue Department.

The site is located at a distance of 1.2 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The site is located within the compound of Village Office of Azhikode. The MPCS could be used for conducting trainings activities as well as for holding camps and other village office functions.

Approach roads

The site is directly accessible from Azhikode-Chamakkala road.

Demography of Azhikode Village

According to 2011 Census, the village has 4606 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	19,935
Male	9,535
Female	10,400
In the age group 0-6 years	2,326
Scheduled Castes (SC)	940
Scheduled Tribes (ST)	28
Literates	16,425
Illiterate	3,510
Worker	6,895
Non Worker	13,040

Legal Clearances

Environmental Clearance

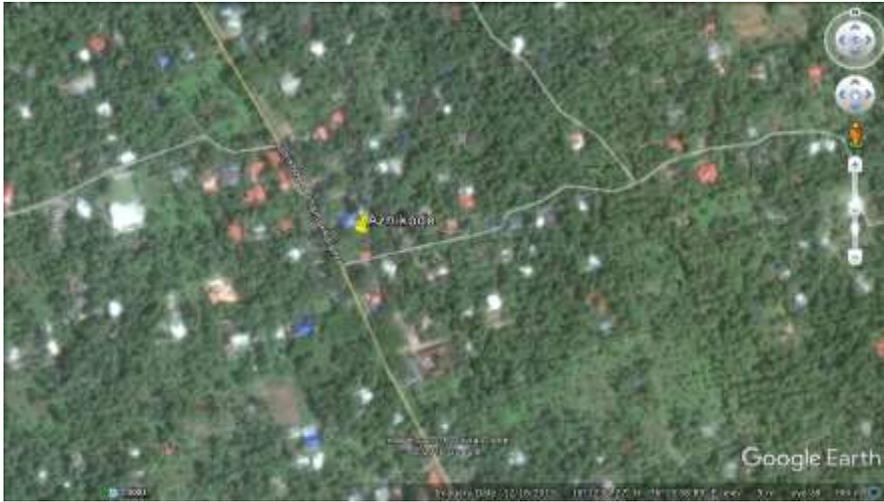
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Azhikode MPCS is only 1800 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Azhikode MPCS is 1.2 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Azhikode MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



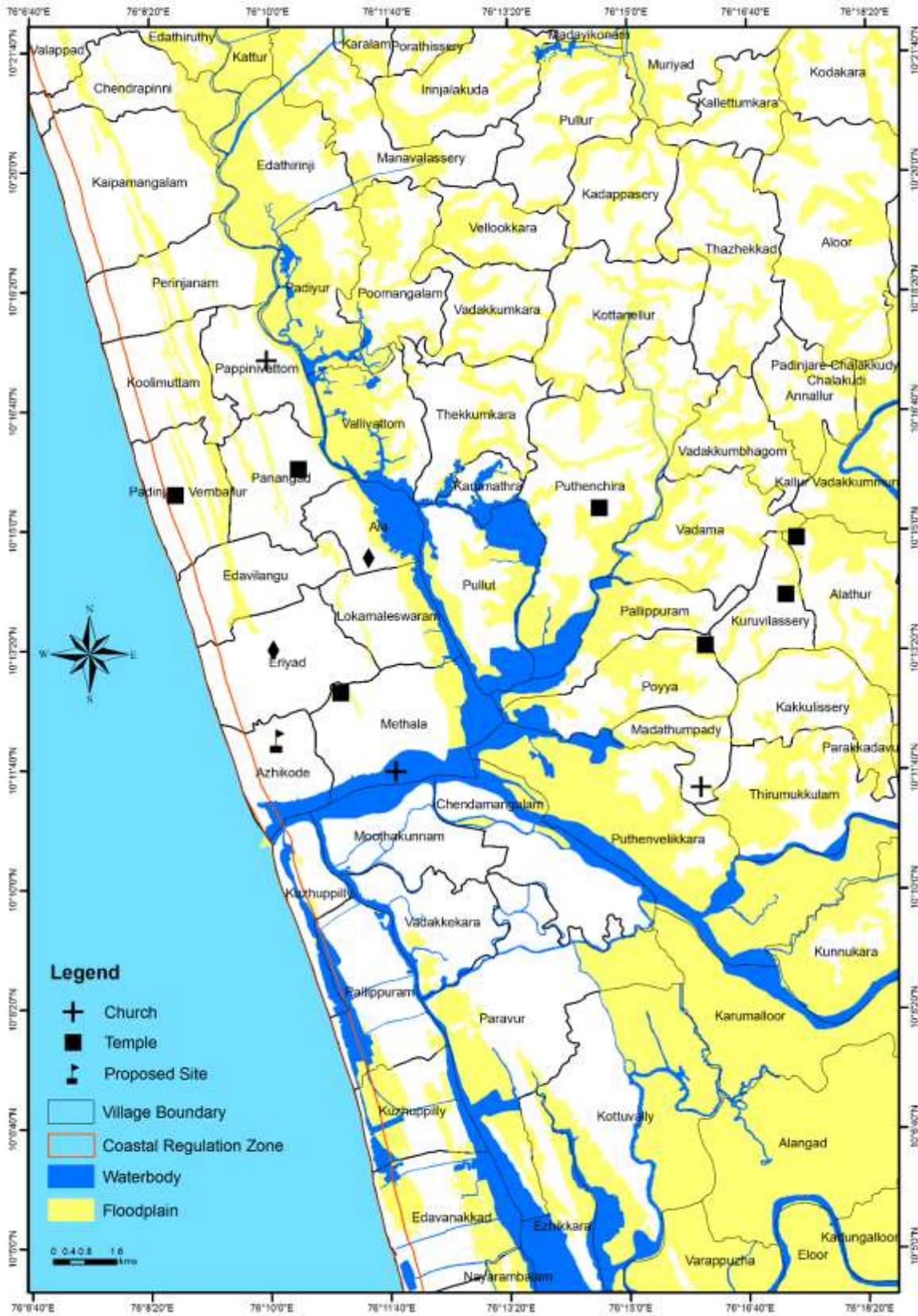
2. View of the site



3. Village Office functioning near to the site



4. Entry to the site



GIS map of MPCs at Azhikode Village

PART C: PANCHAYATH RESOLUTION

District	Thrissur
Village	Azhikode
Panchayath	Eriyad Gramapanchayath
Place	Azhikode
Date	30.03.2016



Summary of the Panchayath meeting decision:

11. Eriyad Gramapanchayath discussed on the letter from District Administration intimating on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 28.01.2016 to construct a Multi-Purpose Cyclone Shelter in the compound of Azhikode Village Office, Azhikode Village.
12. The Panchayath has considered the matter and agreed to construct MPCS in Azhikode Village of Kodungalloor Taluk and further states that the construction should abide to the Kerala Panchayath Building Rules 2011.

2. MPCS AT KADAPPURAM VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KSD/ CHVD/KADAPPURAM-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Thrissur
Taluk	Chavakkad
Village	Kadappuram
Panchayath/Municipal Corporation	Kadappuram Gramapanchayath
Survey Number	Survey number: 101/4B
Latitude	10° 32' 21.6"N
Longitude	76° 1' 41.3"E
Mean Sea Level	20 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	900 S.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
p. Private Land	Nil
q. Government Land	500 SQ.M
r. Forest Land	Nil
Existing Land use	Dilapidated building
Approach roads	
Road name	Anjagadi road
Existing road	Sit is directly accessible from the road
Proposed road	No approach road proposed.
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	

Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	The site is 500 m from coastline
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	A water tank/pump room is located near to the site

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (500m from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 900 SQ.M.
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PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

1.Does the proposed sub-project activity require any land?	Remarks if any
---	-----------------------

Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	Numerous tree in the site has to be cut down to facilitate construction
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Kadappuram Village of Chavakkad taluk in Thrissur District. The site is entitled to Revenue Department.

The site is located at a distance of 500 m from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The site is within the Kadappuram village office compound. Apart from Village office that functions in the site, Panchayath water tank /pump room and an old building dilapidated building is situated within the compound. The entrance to the site is very narrow and is of approximate width of 2 meters for a distance of 3 meters. Provision for a new entry to the site is currently not available. A water tank within the possession of Panchayath is adjacent to the proposed site. A Panchayath office also functions near the water tank. Numerous trees will have to be cut down to facilitate construction.

Approach roads

The site is directly accessible from Anjangadi road. Upgradation of existig road I not proposed.

Demography of Kadappuram Village

According to 2011 Census, the village has 4624 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	22,938
Male	10,522
Female	12,416
In the age group 0-6 years	2,975
Scheduled Castes (SC)	155

Scheduled Tribes (ST)	1224
Literates	12,232
Illiterate	3,333
Worker	6,406
Non Worker	9,159

Legal Clearances

Environmental Clearance

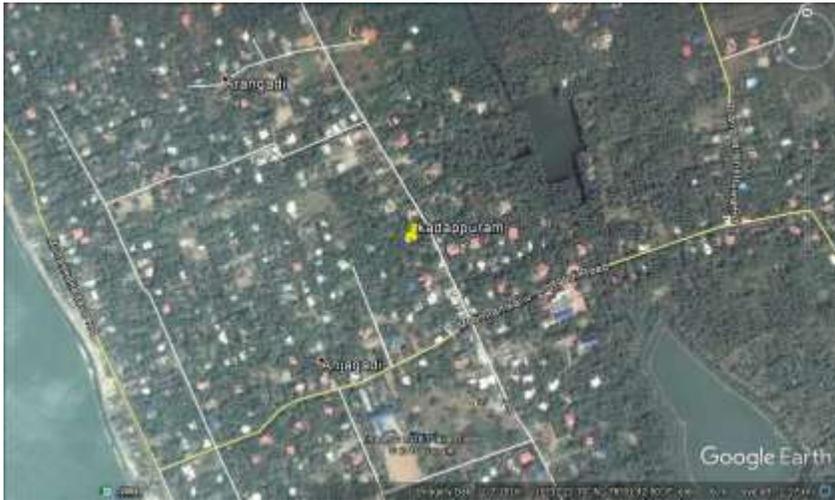
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Azhikode MPCS is only 900 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Azhikode MPCS is 500 m from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Azhikode MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



4. Aerial view of the site



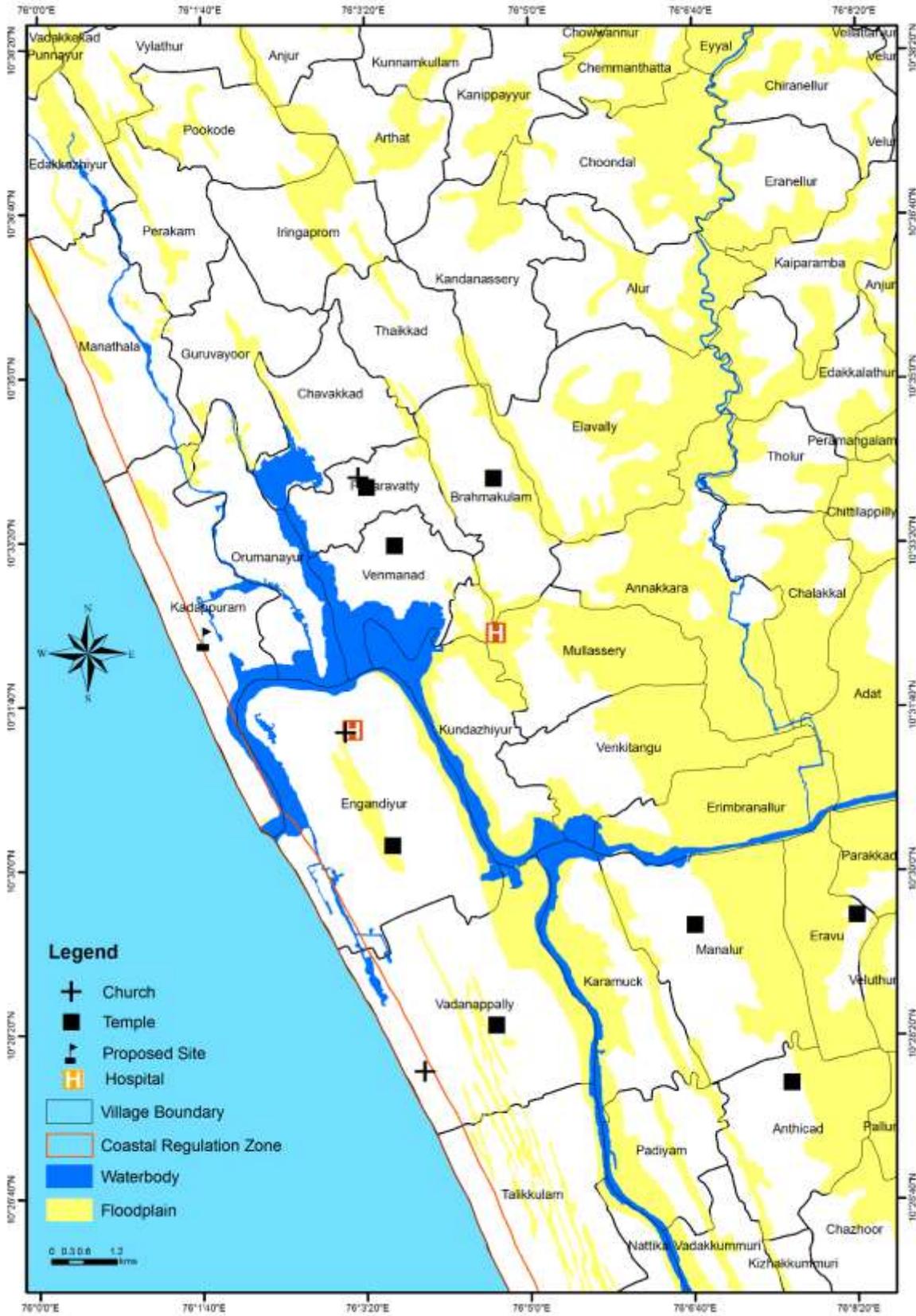
2. Dilapidated building in the site (Water tank/pump house can be seen)



3. View of the site



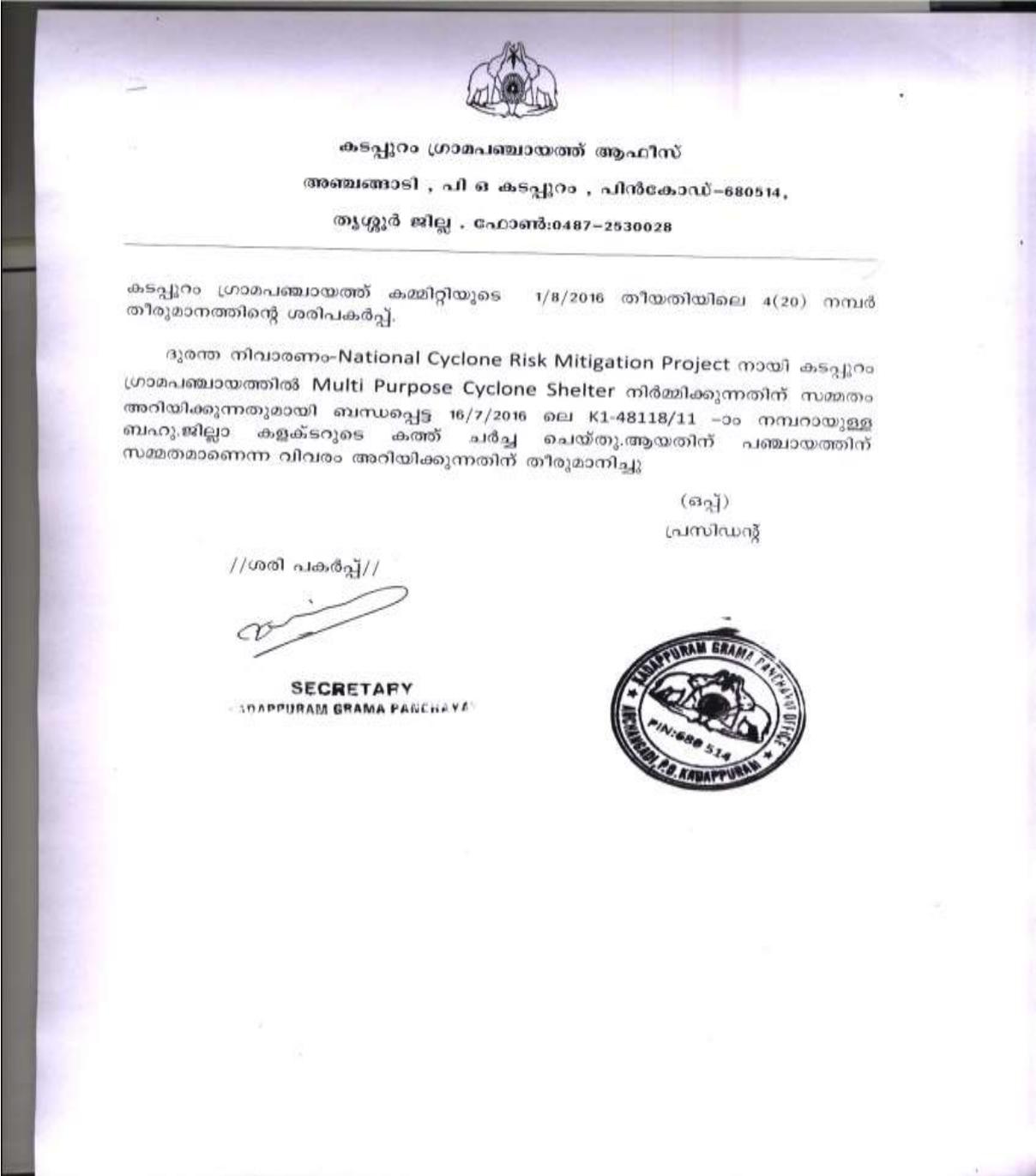
4. Entry to the site



GIS map of MPCS at Kadappuram Village

PART C: PANCHAYATH RESOLUTION

District	Thrissur
Village	Kadappuram
Panchayath	Kadappuram Gramapanchayath
Place	Kadappuram
Date	01.08.2016



Summary of the Panchayath meeting decision:

1. Kadappuram Gramapanchayath discussed on the letter from District Administration intimating on decision taken in Government Order: G.O (Rt) no. 641/2016/DMD dated 16.07.2016 to construct a Multi-Purpose Cyclone Shelter in the compound of Kadappuram Village Office, Kadappuram Village.
2. The Panchayath in its resolution no 4(20) dated 01.08.2016 had accepted and agreed on the decision to construct MPCS in Kadappuram Village of Chavakkad Taluk.

7. District: Ernakulam

Ernakulam District

Ernakulam district covers an area of 3,068 km² located on the Western Coastal Plains of India. It is surrounded by Thrissur District to the north, Coimbatore District of Tamil Nadu to the north-east, Idukki District to the east, Alappuzha and Kottayam districts to the south and Lakshadweep sea to west. The district can be divided geographically into highland, midland and coastal area. The altitude of the highland is about 300 m. It has an average elevation of 4 m and a coast line of 46 kms.

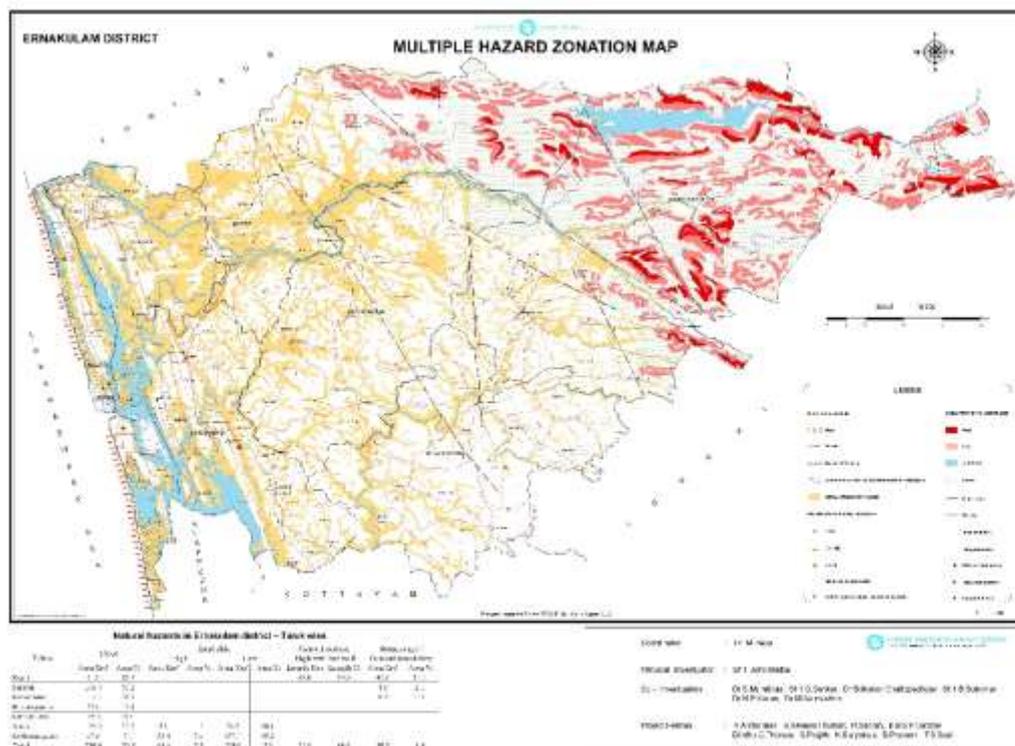
The sites selected for construction of Multipurpose Cyclone shelters in Ernakulam District are at Pallipuram Village, Kumbalangi village and Moothakunnam village of Ernakulam District. Sites at Puthenvelikara village and Njarakkal village were considered for the project but due to public disapproval alternate sites were considered.

Profile of Ernakulam	
<i>Headquarters</i>	Kakkanad
<i>Total Population</i>	32,82,388
<i>Male</i>	16,19,557
<i>Female</i>	16,62,831
<i>Population Growth</i>	5.6%
<i>Density/Km2</i>	1072
<i>Number of Taluks</i>	7
<i>Number of Villages</i>	117
<i>Number of Panchayath Wards</i>	88
<i>Forest Area</i>	823.8302 Km2
<i>Average Rainfall</i>	3,000mm
<i>Temperature</i>	Min: 27°C Max:32°C
<i>Number of major rivers</i>	2
<i>Major Soil</i>	Laterite soil Sandy loam alluvial soil

Vulnerability Assessment of the District

The banks of Periyar river and reclaimed/paddy fields of Chellanam, Pudukkottai and Njarakkal, Banks of Kochi Kayal are prone to flooding during monsoon. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluks in the district	Flood		Coastal Erosion		Storm surge/ Tsunami inundation	
			High			
	With sea wall		Length Km	Length %		
	Area km2	Area %			Area km2	Area %
Kochi	51.8	35.8	33.4	69.0	45.1	31.1
Paravoor	108.0	56.2			4.1	2.1
Kanayannur	117.2	36.8			8.9	2.8
Muvattupuzha	79.6	18.2				
Kunnathunad	155.3	33.0				



Source: National Centre for Earth Science Studies

5. MPCS AT PALLIPURAM VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/EKM/KOC/PALLIPURAM-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Ernakulam	
Taluk	Kochi	
Village	Pallippuram	
Panchayath/Municipal Corporation	Pallipuram Panchayath	
Survey Number	Block:2, Survey number: 196/5	
Latitude	10° 09' 45.1' N	
Longitude	76° 11' 13.5"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	600 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
p. Private Land	Nil	
q. Government Land	600 SQ.M of land under the ownership of Revenue	
r. Forest Land	Nil	
Existing Land use	Barren land used as playground.	
Approach roads		
Road name	Pallipuram Village office road	
Existing road	Length: 200m ROW: 4.5m	
Proposed road	Unpaved road	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	

Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	Yes	A pond exists near adjacent to the site
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Site is 180m from Waterbody and 1 km from coastline
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 600 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		Remarks if any
1. Does the proposed sub-project activity require any land?		
Private Land	No	
Government Land	Yes	Approximately 600 SQ.M of land under ownership of Revenue Department.

Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	Yes	A pond exists near adjacent to the site. A temple is located near to the site
Number of private structures (located on private or public land)	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

PART B: BRIEF REPORT

Description of Environmental and Social features

The proposed site is located near to the Village office of Pallipuram and is currently used as play ground. A pond exists within close proximity to the site. The MPCS could be used for various purposes of the District Administration and Panchayath activities. The District Administration has reported that a vulnerable population that figures to 2500 exists in the locality. Schools and Auditoriums are used as shelters in the village during floods or heavy rains.

The site is located at a distance of 1 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

Approach roads

The site is connected to Village office road via untarred Panchayath roads. The upgradation of approach road is considered in the project.

Demography of Pallipuram Village

According to 2011 Census, the village has 8056 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	32,321
Male	15,866
Female	16,455
In the age group 0-6 years	2,581
Scheduled Castes (SC)	3,331
Scheduled Tribes (ST)	87
Literates	28,802

Illiterate	3,519
Worker	12,073
Non Worker	20,248

Legal Clearances

Environmental Clearance

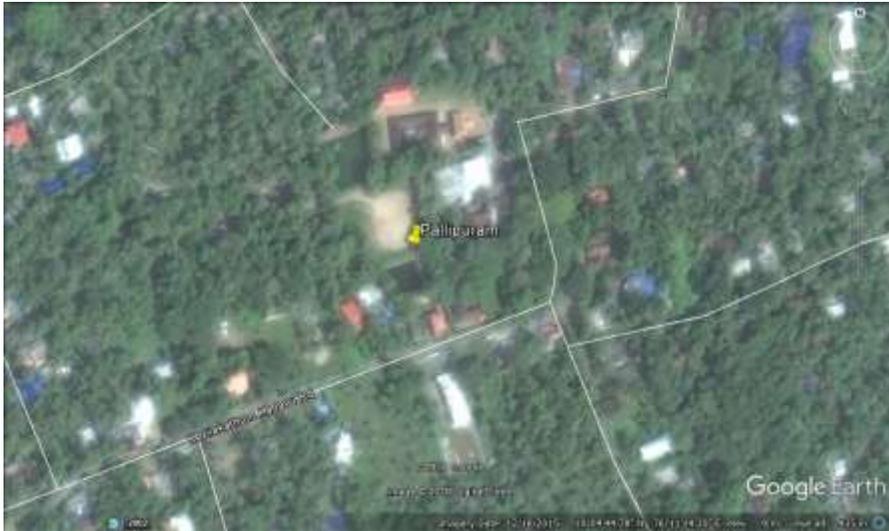
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Pallipuram MPCS is only 1800 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Pallipuram MPCS is 1 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Pallipuram MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



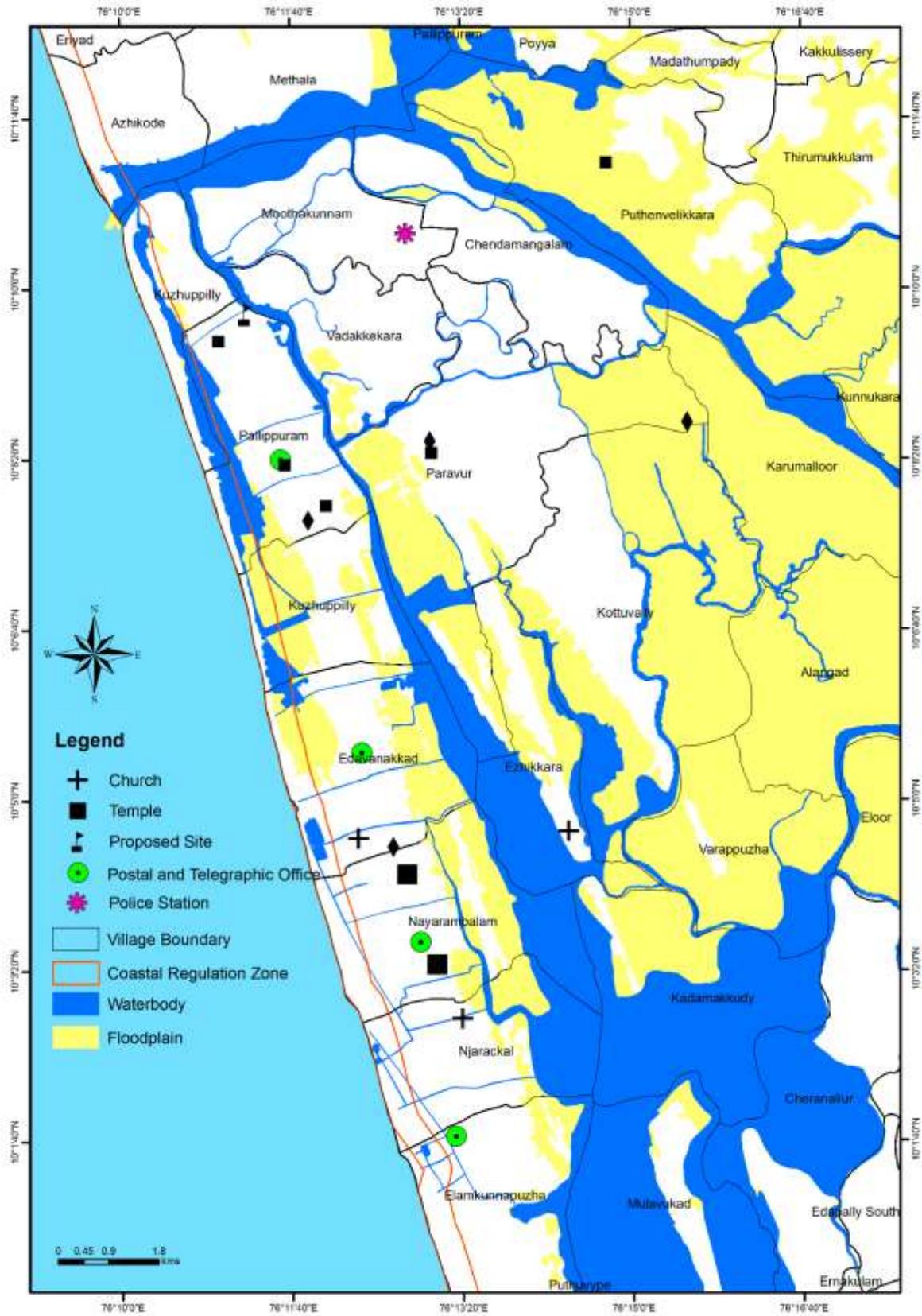
2. View of the site



3. View of the site (Village office compound wall seen to left)



4. Pond near to the site



GIS map of MPCS at Pallipuram Village

PART C: PANCHAYATH RESOLUTION

District	Ernakulam
Village	Pallipuram
Panchayath	Pallipuram Gramapanchayath
Place	Kumbla
Date	14.03.2016

Pallipuram Grama Panchayat Committee's

Resolution No V Dated : 14.03.2016

Pallipuram Grama Panchayat agrees and accepts the decision of the State Government vide GO(Rt) No 641/2016/DMD dated 28th January to construct a multipurpose cyclone shelter at Revenue land near village Office of Pallipuram, Survey Number 196/5. Pallipuram Grama Panchayat does not see any environmental and social consequences in constructing the MPCS at the proposed site.

//True Copy//


N.P. THOMAS
Secretary
Pallipuram Grama Panchayat
Cherai P.O. - 683514
PH : 0484-2483135, Mob: 9495045775

(Signed)
President



Summary of the Panchayath meeting decision:

1. The meeting presided over by President, Pallipuram Panchayath, started at 11.00 am. The following officers were present.
 - President, Pallipuram Panchayath
 - Vice President, Pallipuram Panchayath
 - Secretary, Pallipuram Panchayath
 - Village Officer, Pallipuram
 - Ward Members
 - Local Community Mobiliser, NCRMP-Phase II

2. The President, Pallipuram Panchayath welcomed all the officers to the meeting. Mrs. Susmy Sunny, Local Community Mobiliser, NCRMP-Phase II, briefed about the project. The following points were discussed in the meeting regarding the Cyclone shelter construction under NCRMP-Phase-II.
 - Secretary presented the agenda of the meeting.
 - Junior Superintendent, Kochi Taluk briefed about the project and related matters.
 - Ward member discussed the issues regarding approach road to the proposed cyclone shelter site in Pallipuram Panchayath.
 - Local community Mobiliser clarified about the issue. The construction of approach road is also included in the NCRMP project.

3. Pallipuram Grama Panchayath in its resolution noV dated 14.03.2016 agreed and accepted the decision to construct a multipurpose cyclone shelter at Revenue land near village office of Pallipuram.

4. The Panchayath does not see any adverse environmental and social issues related to construction of MPCS

3. MPCS AT MOOTHAKUNNAM VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/EKM/PAR/MOOTHAKUNNAM-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Ernakulam	
Taluk	Paravur	
Village	Moothakunnam	
Panchayath/Municipal Corporation	Vadakkera Panchayath	
Survey Number	Survey number 252/3A,B, 252/2-3, 252/1-2	
Latitude	10° 10' 22.2"N	
Longitude	76° 12' 43.4"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	900 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	500 SQ.M of land in the ownership of Education Department	
c. Forest Land	Nil	
Existing Land use	Trees and shrubs are present in the site	
Approach roads		
Road name	Site is to the LHS of National Highway	
Existing road	-	
Proposed road	No approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	

Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is 230-320m from the river body
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	Yes	Site shares boundary wall with Thuruthipuram church
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ the site is 230-320 m from the river body
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 500 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	

PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Govt. Land	Yes	400 SQ.M of land under the ownership of Education Department
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	Nil	Building of Sarva Shiksha Abhiyan Centre functions in the school premises near to the site.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)		
Number of private structures (located on private or public land)	Nil	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	Several trees in Government land will have to be cut down to facilitate construction
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

Description of Environmental and Social features

The proposed site is located within the premises of S.N Government Lower Primary School, Thuruthipuram of Moothakunnam village in Ernakulam district. The site shares boundary with Thuruthipuram Church and another private school.

The site is located 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden and coastline. The site is 230-320m from the river body.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments (under ASI's Central/State list).

Several Trees will have to be cut down to clear the land for construction. A well is located at the farthest end of the site. The MPCS could be used for various purposes of the school and Panchayath activities. The District Administration has reported that a vulnerable population that figures to 4000 exists in the locality. Schools and community halls are used as shelters in the village during floods or heavy rains.

Approach roads

The site is directly accessible from National Highway.

Demography of Moothakunnam Village

According to 2011 Census, the village has 6,963 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	27,458
Male	13,279
Female	14,179
In the age group 0-6 years	2,145
Scheduled Castes (SC)	1,224
Scheduled Tribes (ST)	103
Literates	24,552
Illiterate	2,906
Worker	10,735

Non Worker	16.723
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Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Moothakunnam MPCs is only 500 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Moothakunnam MPCs is 230-320 m from the river body and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Moothakunnam MPCs clearance as per Forest (Conservation) Act, 1980 is not applicable. However, clearance from Village Office is required to cut down the trees in the site to facilitate construction.



1. Aerial view of the site



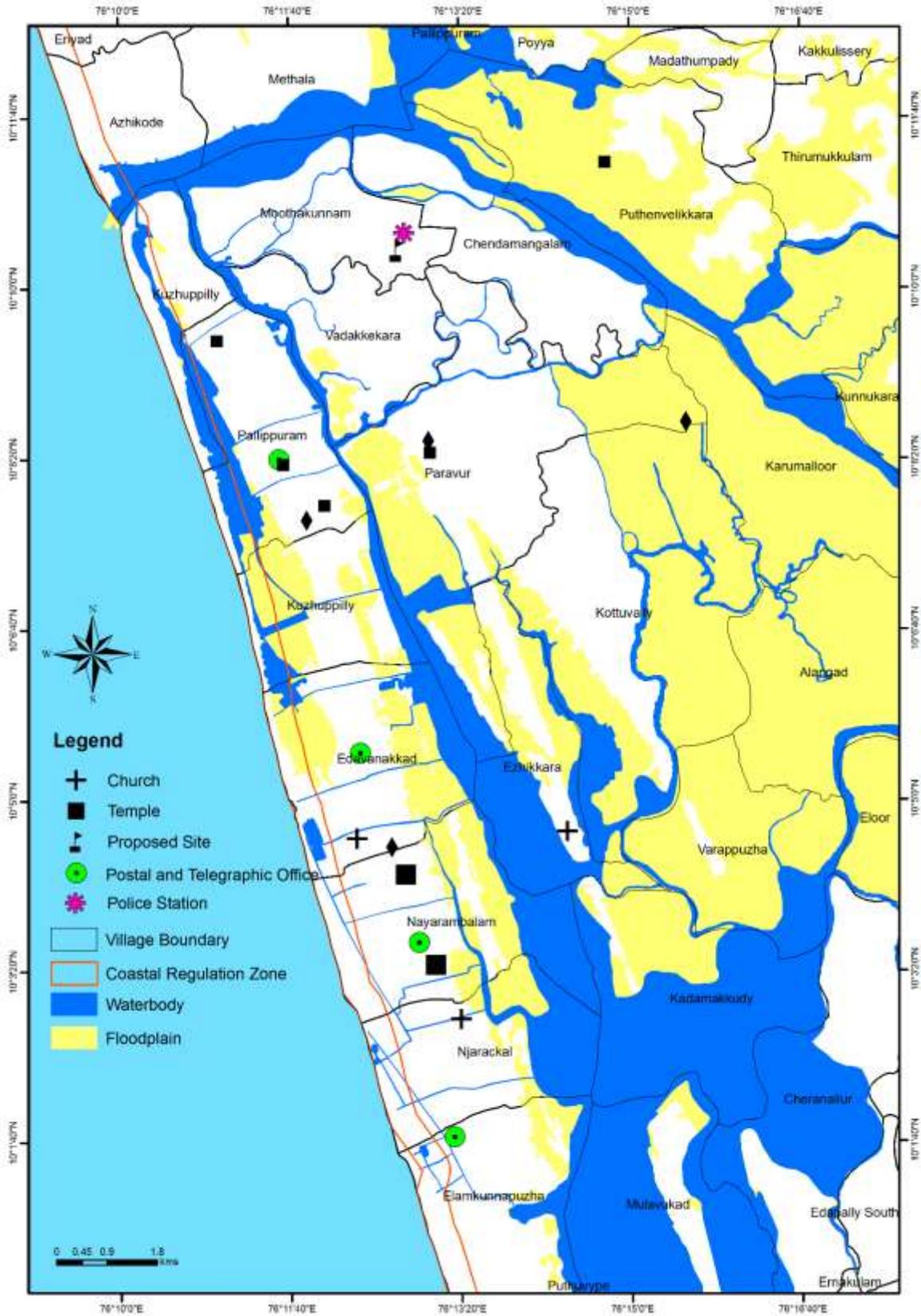
2. View of the site from access road (Church can be seen)



3. View of the site



4. School premises



GIS map of MPCS at Moothakunnam Village

PART C: PANCHAYATH RESOLUTION

District	Ernakulam
Village	Moothakunnam
Panchayath	Vadakkekkara Gramapanchayath
Place	Moothakunnam
Date	19.03.2016



വടക്കേക്കര ഗ്രാമപഞ്ചായത്ത്

വടക്കേക്കര പി. ഒ., പിൻ - 683 522
 പറവൂർ, എറണാകുളം, ഫോൺ : 0484 - 2442265
 (An ISO 9001:2008 Certified Panchayat)

നമ്പർ : A1-3374/2016

തീയതി : 21/03/2016

പ്രേഷകൻ

പ്രസിഡന്റ്
 വടക്കേക്കര ഗ്രാമ പഞ്ചായത്ത്

സ്വീകർത്താവ്

ജില്ലാ കളക്ടർ
 എറണാകുളം

സർ,

വിഷയം : സൈക്ലോൺ ഷെൽട്ടർ നിർമ്മാണവുമായി ബന്ധപ്പെട്ട് പഞ്ചായത്ത് തീരുമാനം ലഭ്യമാക്കുന്നത് സംബന്ധിച്ച്

സൂചന : അന്യയുടെ 05.03.2016 ലെ ഡി1- 7700/09 നമ്പർ കത്ത്

മേൽ സൂചന കത്തിലേക്ക് അന്യയുടെ ശ്രദ്ധ ക്ഷണിച്ചു കൊള്ളുന്നു. വടക്കേക്കര ഗ്രാമപഞ്ചായത്ത് കമ്മിറ്റി 19.03.2016 ൽ യോഗം ചേർന്ന് തുരുത്തിപ്പുറം എസ് എൻ വി ടി എൽ പി എസ് ന് നിർമ്മിക്കാനുദ്ദേശിക്കുന്ന സൈക്ലോൺ ഷെൽട്ടർ സംബന്ധിച്ച് ചർച്ച ചെയ്തു. Multipurpose ആയാണ് ഷെൽട്ടർ വിഭാവനം ചെയ്യുന്നതെന്ന് Local Community Mobilizer ശ്രീമതി സുസ്മി സണ്ണി അറിയിച്ചു. സ്കൂൾ പ്രവർത്തനത്തിലും ടി ഷെൽട്ടർ ഉപയോഗിക്കാമെന്ന് അറിയിച്ചതിന്റെ അടിസ്ഥാനത്തിലാണ് പഞ്ചായത്ത് കമ്മിറ്റിയും സ്കൂൾ അധികാരികളും ഷെൽട്ടർ നിർമ്മാണത്തിന് സമ്മതിച്ചതെന്ന് ഇതിനാൽ അറിയിച്ചു കൊള്ളുന്നു. മേൽ സൂചന നിബന്ധനയോടെ പഞ്ചായത്തിന്റെ തീരുമാനം ഇതോടൊപ്പം സമർപ്പിക്കുന്നു.

വിദ്യാസ്തതയോടെ,

President
 Vadakkekkara Grama Panchayath
 Vadakkekkara P. O.

ഉള്ളടക്കം:

പഞ്ചായത്ത് കമ്മിറ്റിയുടെ 19.03.2016 ലെ 2-ാം നമ്പർ തീരുമാനം



Summary of the Panchayath meeting decision:

1.The meeting presided over by President, Vadakkekkara Panchayath and the following officers were present.

- Vice President, Vadakkekkara Panchayath
- Secretary, Vadakkekkara Panchayath
- Deputy Tahsildar, HQ, Paravur Taluk
- Village Officer, Moothakunnam
- School Representatives(Two persons)
- Ward Members
- Local Community Mobiliser, NCRMP-Phase II

2.The President, Vadakkekkara Panchayath addressed the meeting. Local Community Mobiliser, NCRMP-Phase II, briefed about the project. The following points were discussed in the meeting regarding the Cyclone shelter construction under NCRMP-Phase-II.

- Secretary presented the agenda of the meeting.
- Deputy Tahsildar, HQ, Paravur Taluk briefed about the project and related matters.
- School representatives submitted an objection to this construction. They are planning to construct a new building for school. There is no enough space to construct a new building for school after the construction of cyclone shelter.
- Local community Mobiliser gave clarification about the issues. The proposed cyclone shelter is a multipurpose building. It can also be used for other purposes like school building, community centres etc.
- Ward members discussed the issues regarding the cyclone shelter construction.

3.Vadakkekkara Grama Panchayath in its resolution no dated 19.03.2016 agreed and accepted the decision of the State Government to construct a multipurpose cyclone shelter at Moothakunnam near Sarva Shiksha Abhiyan, Thuruthippuram.

4. The Panchayath sees no adverse environmental and social issues due to construction of MPCs.

8. District: Alappuzha

Alappuzha District

Alappuzha is one among the nine coastal districts of Kerala where the project is being implemented. Alappuzha district is located at latitude between 9°05' -9.54°N and longitude between 76°16'-76°46' E and is bounded by Lakshadweep Sea on the west, Kottayam and Pathanamthitta districts on the East and Ernakulam District in the North. The 82km long coast of Alappuzha, which borders 30 coastal villages, is vulnerable to storm surges, cyclones, high tides and coastal erosion. High tides and storm surges are common during monsoon period and the district is moderately prone to cyclones.

Construction of Multi-Purpose Cyclone Shelters [MPCS] is proposed in Pallipad, Kumarapuram, Cheruthana, Purakkad, Mararikulam North and Kainakari North villages of Alappuzha.

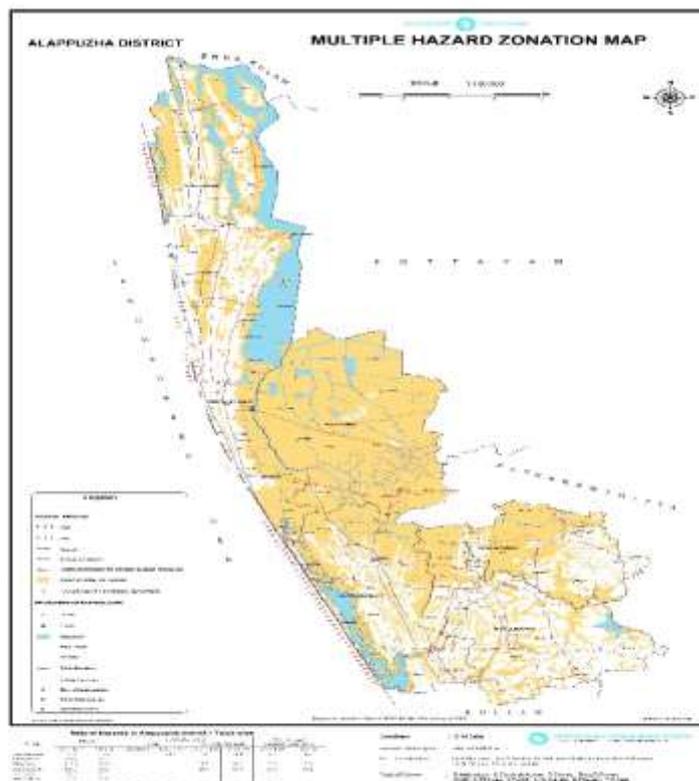
Profile of Alappuzha	
<i>Headquarters</i>	Alappuzha
<i>Total Population</i>	21,21,943
<i>Male</i>	10,10,252
<i>Female</i>	11,11,691
<i>Population Growth</i>	0.61%
<i>Density/Km2</i>	1501
<i>Number of Taluks</i>	6
<i>Number of Villages</i>	93
<i>Number of Panchayath Wards</i>	1186
<i>Forest Area</i>	5.80 Ha
<i>Average Rainfall</i>	2,600 mm
<i>Temperature</i>	Min: 23.9°C Max:30.7°C
<i>Number of major rivers</i>	3
<i>Major Soil</i>	Coastal plain soil

Vulnerability Assessment of the District

The banks of major rivers Manimala river, Pamba river, Achenkoil river, their rivulets, banks of Vembanad lake, Kayamkulam lake and paddy fields are prone to flooding during monsoon. Alappuzha being a low lying region, with less than 8 m elevation, is at high risk of inundation during such events. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Table [Source: CESS]

Taluk	Flood		Storm surge/Tsunami inundation		Coastal Erosion	
	Area Km ²	Area %	Area Km ²	Area %	Area Km ²	Area %
Ambalappuzha	73.8	40.4	5.7	3.1	7.7	22.9
Cherthala	115.6	35.6	7.9	2.4	5.7	26.2
Karthikappally	123.1	55.2	30.5	13.2	20.3	85.7



Source: National Centre for Earth Science Studies

2. MPCS AT KUMARAPURAM VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

General information about the sub project	
Sub Project id	NCRMP/KER/ALP/ KAR/KUMARAPURAM-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Alappuzha
Taluk	Karthikappally
Village	Kumarapuram
Panchayath/Municipal Corporation	Karuvatta Panchayath
Survey Number	Block no: 2, 529/13
Latitude	9° 18' 22.714"N
Longitude	76° 25' 56.349"E
Mean Sea Level	4.5 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	960 SQ.M
Land requirement for the sub project (in Ha or m ²)	
Total Requirement	
a. Private Land	Nil
b. Government Land	500 SQ.M
c. Forest Land	Nil
Existing Land use	Fallow land
Approach roads	
Road name	Panchayath road
Existing road	-
Proposed road	No Approach roads proposed
Boundary wall requirement	Yes

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	Water logged paddy fields and inland wetlands are found within 1km radius of the site.
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	

Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No 1.6 km from stream of Pamba river	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	Yes	Kaduvan Kulangara Temple at a distance of 30m north to the site.
Public water bodies	No	

PART C: Environmental Screening Form

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ [5km from Coastline]
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PART C2: Proximity to environmentally sensitive areas:

Not applicable as the construction area is only 500 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	No
Environmental clearance	No
Forest clearance	No

PART D: Social Screening

PART D1: Identification of potential social concerns

1. Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Govt. Revenue Land	Yes	500 SQ.M of land in ownership of Education Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	3 (Three)	2 (Two) dilapidated Anti Disaster shelters constructed by European Economic Community in 1984 has to be demolished to facilitate entry to the proposed MPCS] A dilapidated lavatory needs to be demolished during site preparation.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)		Part of school gate and wash area needs to be demolished for facilitating entry of vehicles to the site
Number of private structures (located on private or public land)	Nil	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?		
	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?		
	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?		
	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?		
	No	

Part D (2): Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

PART B: BRIEF REPORT

Description of Environmental and Social Features

The proposed Multipurpose Cyclone Shelter will be constructed in Kumarapuram Village of Karthikapally taluk in Alappuzha District. The site is within the boundary of Government L.P School, Kumarapuram. The land is entitled to Education Department and requires consensus from Education Department prior to implementation of construction works.

The site is located at a distance of 5km from Arabian Sea. The proposed site has no Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park and Botanical Garden within 1km extent.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list]. A temple is situated at a distance of 30m to the north of the school compound. National Highway 47 is at a distance of 20m to the west of the site.

The proposed site is presently fallow and is used for grazing. Trees will have to be felled during site preparation phase. The school gate requires to be widened to facilitate entry of vehicles from the National highway to the site. A portion of the wash area which is close to the school gate has to be demolished for this purpose. Entry of vehicles to the site is not possible without passing across two dilapidated buildings [Anti disaster shelters] at the back portion of the school building. These buildings were constructed by European Economic Community in 1984 and are owned by the Revenue Department. Hence, demolition of these buildings and widening of the school gate is requisite for providing direct entry to the MPCS from NH 47.

Approach roads

The proposed site is at a distance of 20m from NH 47. No approach roads have been proposed for the MPCS.

Demography of Kumarapuram Village

According to 2011 Census, the village has 7020 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table 1.7.

Table [Source: Census,2011]

Population	Persons
Total	26,943
Male	12,397
Female	14,546
In the age group 0-6 years	2,381
Scheduled Castes (SC)	1,182
Scheduled Tribes (ST)	149
Literates	23,386
Illiterate	3,557
Total Worker	9,848

2.4 Legal Clearances

Environmental Clearance

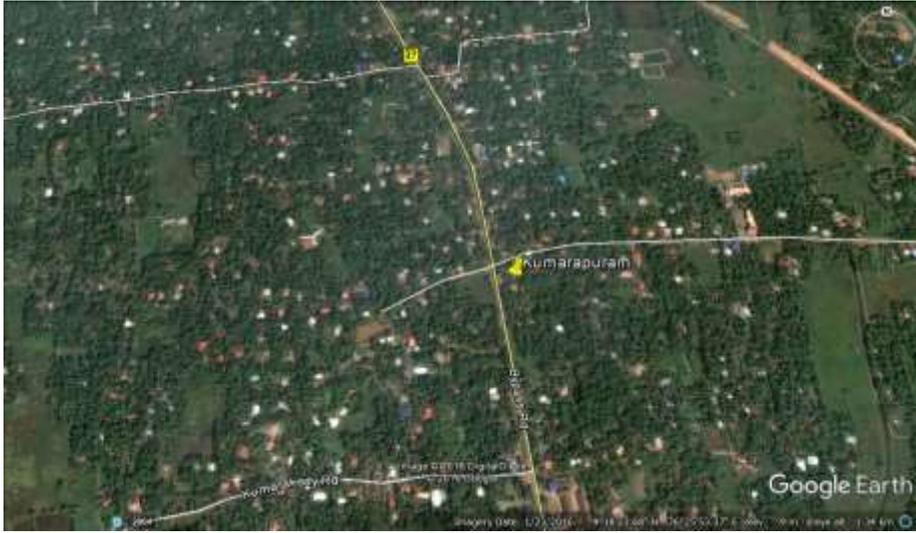
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sqmt. Since, the built up area of Kumarapuram MPCs is only 700 sqmt, project does not necessitate any environmental clearance.

CRZ Clearance

Kumarapuram MPCs is 5 Km from the High Tide Line and is outside Coast Regulation Zone. Hence, the project does not oblige to regulations as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Kumarapuram MPCs, clearance as per Forest (Conservation) Act, 1980 is not applicable.



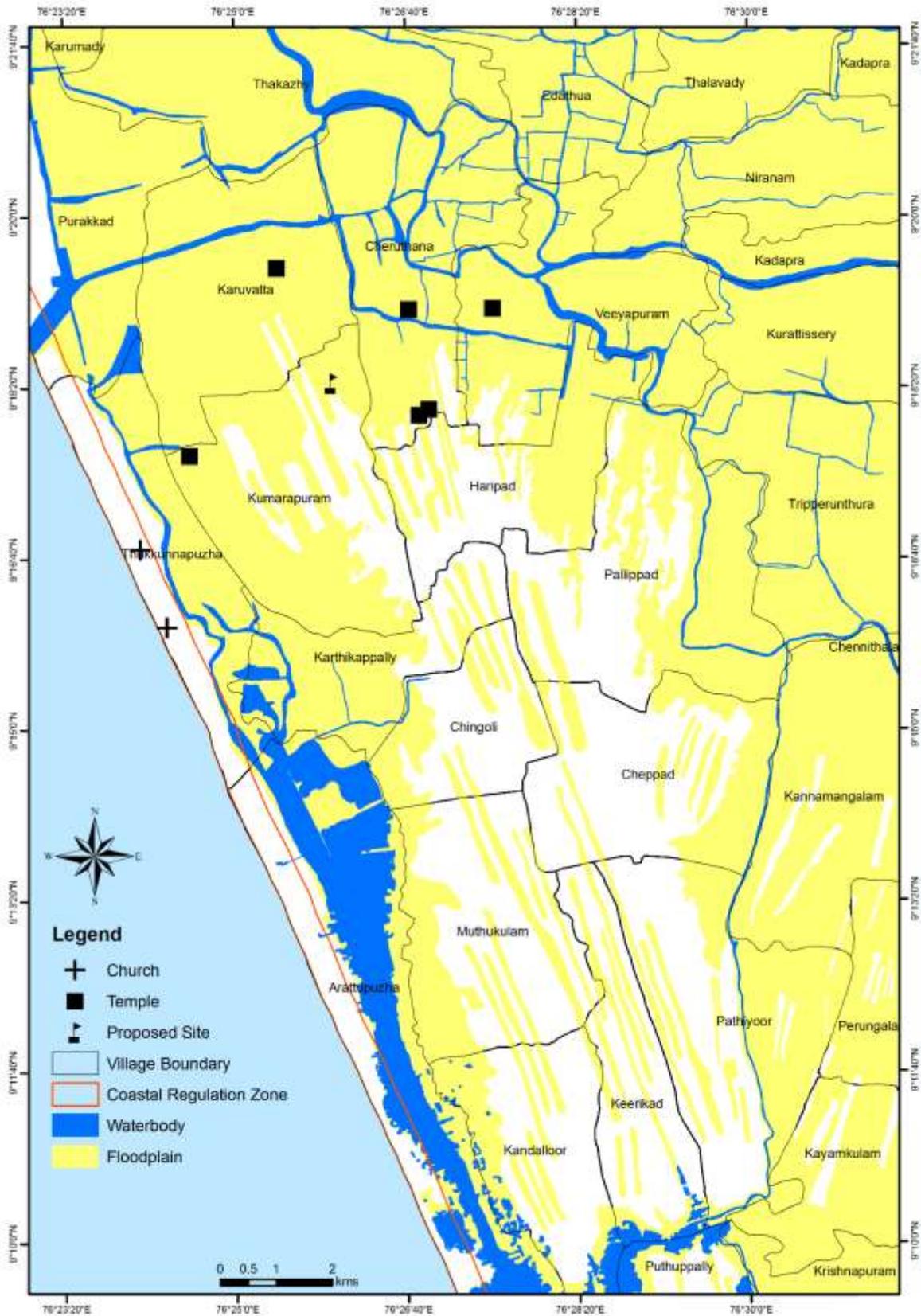
5. Aerial view of the site



2. Kumarapuram School compound



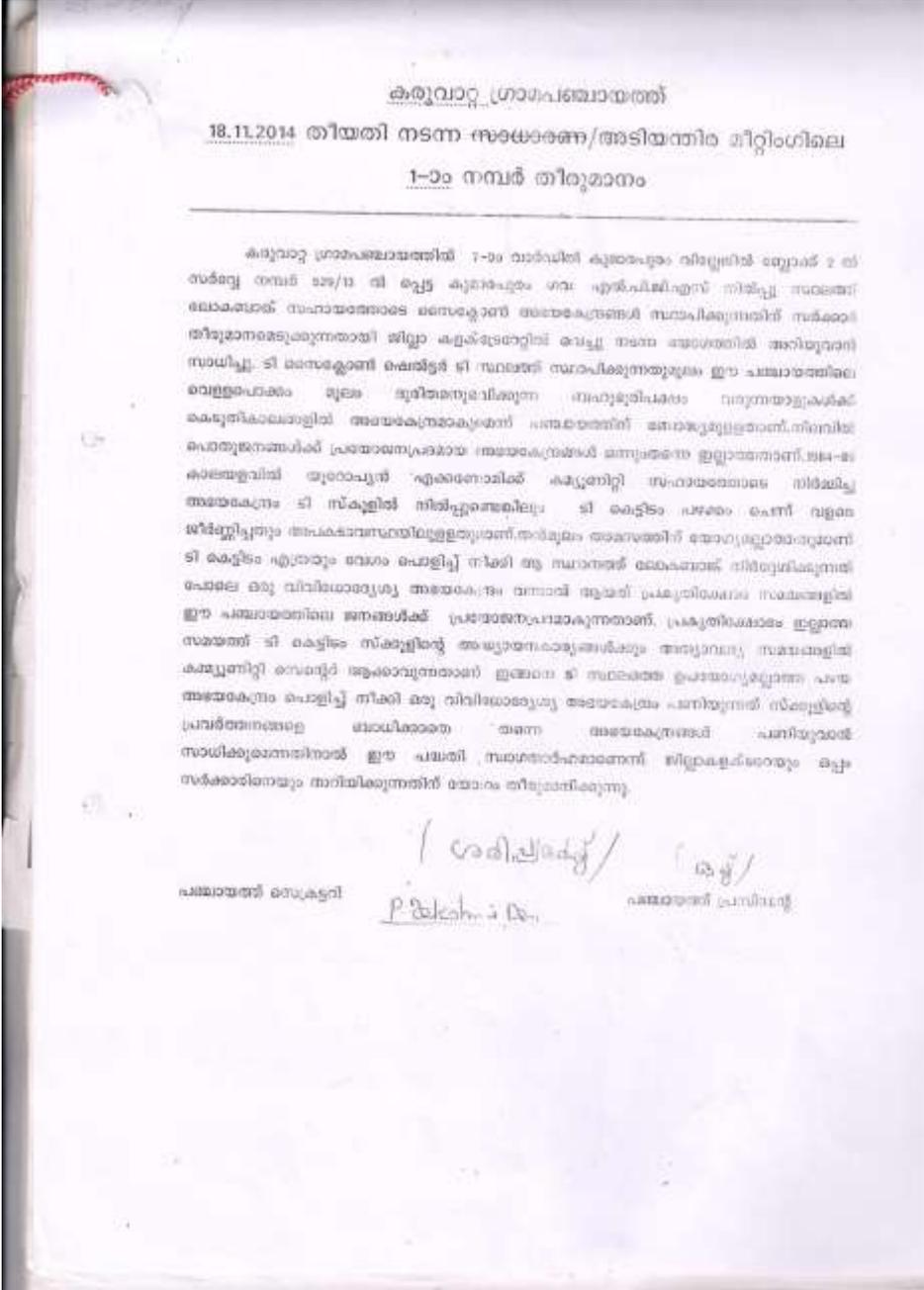
3 and 4. Anti-disaster shelters and entry to the site



GIS map of MPCS at Kumarapuram Village

PART C: PANCHAYATH RESOLUTION

District	Alappuzha
Village	Kumarapuram
Panchayath	Karuvatta
Place	Kumarapuram
Date	18.11.2014



Summary of the Panchayath meeting decision:

8. Karuvatta Gramapanchayath discussed on decision taken in Government for constructing a Multi-Purpose Cyclone Shelter in Block no: 2, 529/13, Government Lower Primary School of Kumarapuram Village in its meeting held on 18.11.2014.
9. The Panchayath understands that construction of MPCS would benefit the population who are affected by floods. At present, shelters are not available for sheltering the population.
10. A shelter that was built through funds from European Community Union is in a dilapidated situation and is not suitable for shelter purposes.
11. Panchayath informed that this dilapidated building can be demolished and MPCS can be built in the site. This MPCS could serve as shelter for vulnerable population in case of a disaster and can be used as community centre in normal times.
12. The Panchayath agrees to construct MPCS in the village. Panchayath further states that demolition and construction should not hinder the normal school activities.
13. The decision of Panchayath was informed to District Administration through resolution no.1 dated 18.11.2014 of Karuvatta Panchayath.

3. MPCS AT CHERUTHANA VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

General information about the sub project	
Sub Project id	NCRMP/KER/ALP/ KAR/CHERUTHANA-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Alappuzha
Taluk	Karthikappally
Village	Cheruthana
Panchayath/Municipal Corporation	Cheruthana Panchayath
Survey Number	Block 5, esurvey no: 371/1
Latitude	9° 18'19.358"
Longitude	76° 26' 47.606"
Mean Sea Level	5.5m above MSL
Size of the sub-project	
Cyclone Shelter – approx. built up area	1000 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
a. Private Land	Nil
b. Government Land	500 SQ.M of land in the ownership of
c. Forest Land	Nil
Existing Land use	A dilapidated Anti Disaster Shelter constructed under European Economic Community project exists in the site.
Approach roads	
Road name	100m tarred road connects the site to Harippad-Ayaparambukadavu road
Existing road	Length: 100m ROW: 3m
Proposed road	No Approach roads proposed
Boundary wall requirement	No
Technical Monitoring Agency at District level	

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	

Tiger reserve/elephant reserve	No	
Wetland	No	Inland wetlands and paddy fields are found within a 1km site from the
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	1.3 km from Puttan Ar
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Form

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (6 km from Coastline)
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PART C2: Proximity to environmentally sensitive areas:

Not applicable as the construction area is less than 500 SQ.M.
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PART C3: Environmental screening – outcome**Screening outcome**

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	No
EIA	No
Forest clearance	No

PART D: Social Screening**PART D1: Identification of potential social concerns**

1. Does the proposed sub-project activity require any land?	Yes	Remarks if any
Private Land	No	
Government Land	Yes	500 SQ.M of land in ownership of education Department
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	1 (One)	[Anti disaster shelter constructed under European economic Community project]
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which	No	

near by residents/local population are dependent for fuel wood/grazing etc.?		
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Cheruthana Village of Karthikapally taluk in Alappuzha District. The site is adjacent to Cheruthana Village Office and within the premises of school. The land is entitled to Education Department.

The site is located at a distance of 6 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list]. School laboratory building exists opposite to the existing anti disaster shelter in the site.

A dilapidated Anti Disaster shelter that exists in the site needs to be demolished and trees needs to be cut down to prepare the site for construction. Road of width 2.5m to the north of the site runs into the residential area.

Approach roads

The site is on the LHS of Harippad-Ayaparambu main road. No approach roads have been proposed for the MPCS.

Demography of Cheruthana Village

According to 2011 Census, the village has 3274 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	12,882
Male	6,017
Female	6,865
In the age group 0-6 years	1,215
Scheduled Castes (SC)	2,227
Scheduled Tribes (ST)	56
Literates	11,157

Illiterate	1,725
Total Worker	4,962

Legal Clearances

Environmental Clearance

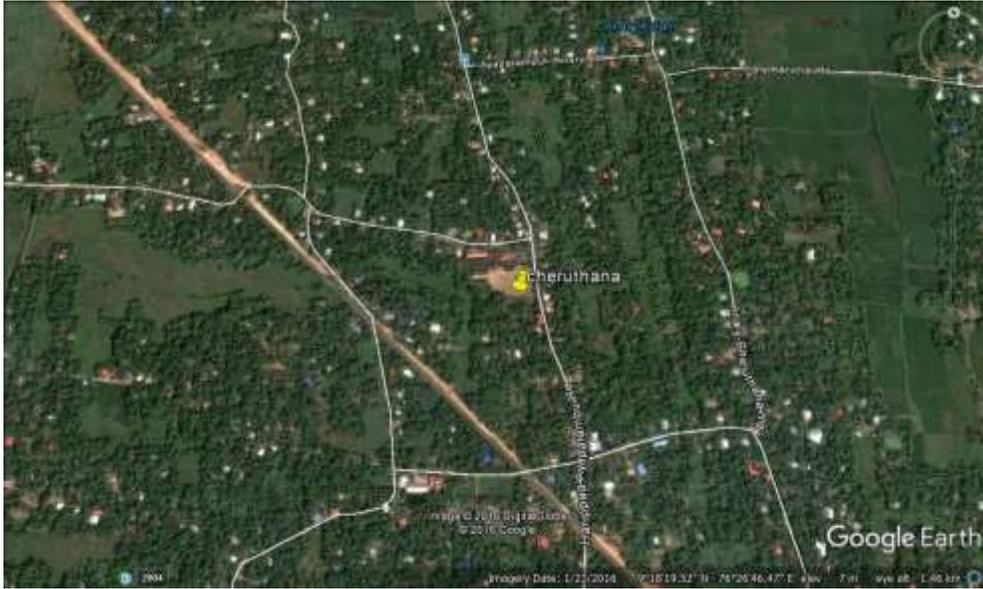
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sqmt. Since, the built up area of Cheruthana MPCS is only 700 sqmt, project does not necessitate any environmental clearance.

CRZ Clearance

Cheruthana MPCS and approach road is 6 km from the High Tide Line and is outside Coast Regulation Zone. Hence, the project does not oblige to regulations as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of road side plantation is not required during any phase of construction of Cheruthana MPCS, clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



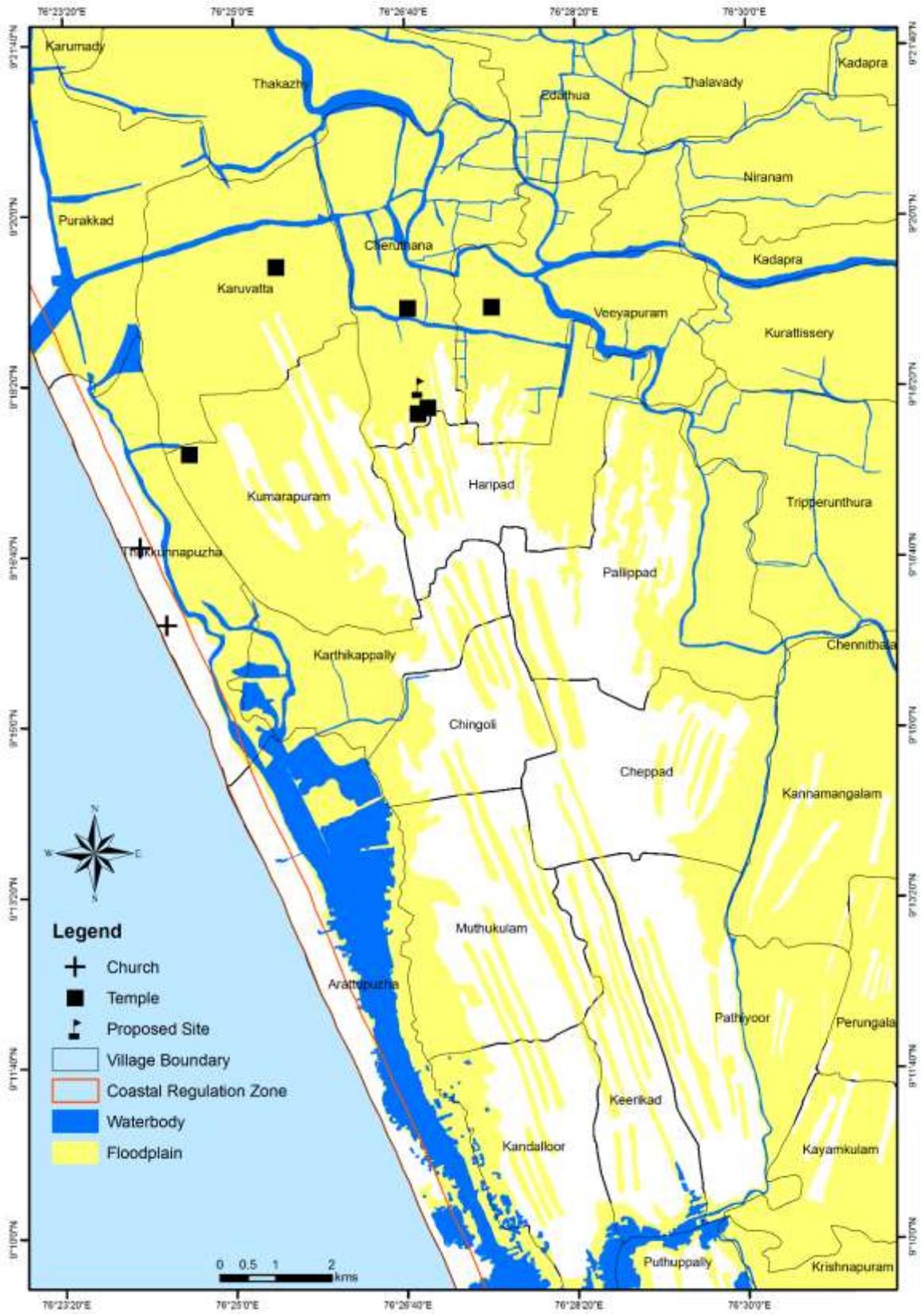
2 .Existing Anti disaster shelter in the site



3.View of the site from school ground



4. Tree located near to site can be seen.



GIS map of MPCS at Cheruthana Village

PART C: PANCHAYATH RESOLUTION

District	Alappuzha
Village	Cheruthana
Panchayath	Cheruthana Gramapanchayath
Place	Cheruthana
Date	20/11/2014



ചെറുതന ഗ്രാമ പഞ്ചായത്ത്

20/11/2014 തീയതി നടന്ന സഭയുടെ/ അടിയന്തിര മീറ്റിംഗിലെ

I (1)-ാം നമ്പർ തീരുമാനം

ചെറുതന ഗ്രാമപഞ്ചായത്തിൽ ചെറുതന വില്ലേജിൽ ബ്ലോക്ക് നം V ൽ റിസർവ്വേ നമ്പർ 371/1 ൽ ആയംപാമ്പ് ഗവണ്മെന്റ് സെക്കന്ററി സ്കൂൾ നിർമ്മാണത്തിന് ലോകബാങ്ക് സഹായത്തോടെ സൈക്ലോൺ അടയ്ക്കലുകൾ സ്ഥാപിക്കുന്നതിന് സർക്കാർ തീരുമാനമെടുക്കുന്നതായി ജില്ലാ കളക്ടർറോയിൽ വെച്ചു നടന്ന യോഗത്തിൽ അറിയാവാൻ സാധിച്ചു. ടി സൈക്ലോൺ ഷെൽട്ടർ ടിസ്കലത്തു സ്ഥാപിക്കുന്നതു മൂലം ഈ പഞ്ചായത്തിലെ വെള്ളപ്പൊക്കം മൂലം ദുരിതമനുഭവിക്കുന്ന ബഹുഭാഗികരായവർക്കുവേണ്ടി കെട്ടിടങ്ങൾ കെട്ടിടങ്ങൾ അടയ്ക്കലുകൾക്ക് പഞ്ചായത്തിന് ബോധ്യമുള്ളതാണ്. നിലവിൽ പൊതുജനങ്ങൾക്ക് പ്രയോജനപ്രദമായ അടയ്ക്കലുകൾ ഒന്നും തന്നെ പഞ്ചായത്തിൽ ഇല്ലാത്തതാണ്. 1984-89 കാലയളവിൽ യൂറോപ്യൻ ഏജൻസികൾ കമ്മ്യൂണിറ്റി സഹായത്തോടെ നിർമ്മിച്ച അടയ്ക്കലും ടി സ്കൂളിൽ നിർമ്മിക്കേണ്ടിയില്ലാ ടി കെട്ടിടം പഴക്കം ചെന്ന് വളരെ ജീർണ്ണിച്ചതും അപകടബാധമേറ്റിട്ടുള്ളതാണ് തന്മൂലം താമസത്തിന് യോഗ്യമല്ലാത്തതാണ് ടി കെട്ടിടം എത്രയും വേഗം പൊളിച്ചുനീക്കി ആ സ്ഥാനത്ത് ലോകബാങ്ക് നിർമ്മിക്കുന്നതുപോലെ ഒരു വിവിധയോഗ്യ അടയ്ക്കലും വന്നാൽ ആയത് പ്രകൃതിക്ഷോഭ സമയങ്ങളിൽ ഈ പഞ്ചായത്തിലെ ജനങ്ങൾക്ക് പ്രയോജനപ്രദമാകുന്നതാണ്. പ്രകൃതിക്ഷോഭമില്ലാത്ത സമയത്ത് ടി കെട്ടിടം സ്കൂളിന്റെ അദ്ധ്യക്ഷകന്മാർക്കും അധ്യാപകർക്കും സമയങ്ങളിൽ കമ്മ്യൂണിറ്റി സെന്റർക്കാവുന്നതാണ്. ഇങ്ങനെ ടിസ്കലത്തെ ഉപയോഗ്യമല്ലാത്ത പഴയ അടയ്ക്കലും പൊളിച്ച് നീക്കി പുതിയ വിവിധയോഗ്യ അടയ്ക്കലും പണിയുന്നതിന് സ്കൂളിന്റെ പ്രവർത്തനങ്ങളെ ബാധിക്കാതെ തന്നെ അടയ്ക്കലുകൾ നടത്തുവാൻ സാധിക്കുന്നതിനാൽ ഈ പദ്ധതി സ്വാഗതാർഹമാണെന്ന് ജില്ലാ കളക്ടറേയും ചെറു സർക്കാരിനെയും അറിയിക്കുന്നതിന് യോഗം തീരുമാനിച്ചു.



ഒപ്പ്
(പ്രസിഡന്റ്)

- ശ്രീ പകർപ്പ് -

REGHULAL V
 Secretary,
 Cheruthana Grama Panchayat
 Cheruthana - 688-017

Summary of the Panchayath meeting decision:

4. Cheruthana Gramapanchayath discussed on decision taken in Government for constructing a Multi-Purpose Cyclone Shelter in Block no: 5, Resurvey no: 371/1, Ayamparambu Government Higher Secondary School of Cheruthana Village in its meeting held on 20.11.2014.
5. The Panchayath understands that construction of MPCS would benefit the population who are affected by floods. At present, shelters are not available for sheltering the population.
6. A shelter that was built through funds from European Community Union is in a dilapidated situation and is not suitable for shelter purposes exists in the site.
7. Panchayath informed that this dilapidated building can be demolished and MPCS can be built in the site. This MPCS could serve as shelter for vulnerable population in case of a disaster and can be used as community centre in normal times.
8. The Panchayath agrees to construct MPCS in the village. Panchayath further states that demolition and construction should not hinder the normal school activities.
9. The decision of Panchayath was informed to District Administration through resolution no.1 (1) dated 20.11.2014 of Cheruthana Panchayath.

4. MPCS AT PURAKKAD VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
General Information About The Sub Project	
Sub Project id	NCRMP/KER/ALP/ AMB/PURAKKAD-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Alappuzha
Taluk	Ambalappuzha
Village	Purakkad
Panchayath/Municipal Corporation	Purakkad Panchayath
Survey Number	Block no: 21, Survey no: 50/5
Latitude	9° 19' 11.439"N
Longitude	76° 23' 5.141"E
Mean Sea Level	5.5 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1800 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
a. Private Land	Nil
b. Government Land	900 SQ.M
c. Forest Land	Nil
Existing Land use	Two dilapidated Anti disaster shelters constructed under European economic Community project exists in the proposed site which is within the campus of Naluchira U.P school.
Approach roads	
Road name	Panchayath road connects the site to NH 47
Existing road	Length 100m ROW: 6m
Approach road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or in part of:	Remarks if any
Biosphere reserve	No
National Park	No
Wildlife/Bird sanctuary	No
Game reserve	No

Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	-	About 152 m east of Thottapally spillway that regulates water discharge from Pamba, Manimala and Achenkoil rivers
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Form

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (>600m landward of the HTL on seaside)
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PART C2: Proximity to environmentally sensitive areas:

Not applicable as the construction area is only 900 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	No
EIA	No
Forest clearance	No

PART D: Social Screening

PART D1: Identification of potential social concerns

1. Does the proposed sub-project activity require any land?	Yes	Remarks if any
Private Land	No	
Govt. Revenue Land	Yes	900 SQ.M of land in the ownership of Education department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	
Number of public structures/buildings	2 (Two)	Two dilapidated Anti disaster shelters constructed under European economic Community project exists in the proposed site
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	

6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
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Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

Description of Environmental and Social features

The MPCS will be constructed in Purakkad Village of Ambalappuzha taluk in Alappuzha District. The site is within the boundary of Government U.P School, Naluchira and is entitled to Education Department and hence require consensus from the Education Department prior to implementation of the project.

The site is located at a distance of 650m from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. Thottappally Spill way is 160m to the east of the site. The site is surrounded by water logged paddy fields, aqua ponds and inland wetland.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI’s Central/State list].

The proposed site is presently is used as school ground and has two dilapidated buildings. The buildings will have to be demolished for construction of MPCS.

Approach roads

An existing road of 500m length and 5m ROW that connects the site to National Highway will be upgraded to all weather road without change in existing ROW. Land acquisition is not required for this purpose.

Demography of Purakkad Village

According to 2011 Census, the village has 7219 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	29,782
Males	14,383
Females	15,399

In the age group 0-6 years	2,957
Scheduled Castes (SC)	1,695
Scheduled Tribes (ST)	132
Literates	25,545
Illiterate	4,237
Total Worker	12,462

Legal Clearances

Environmental Clearance

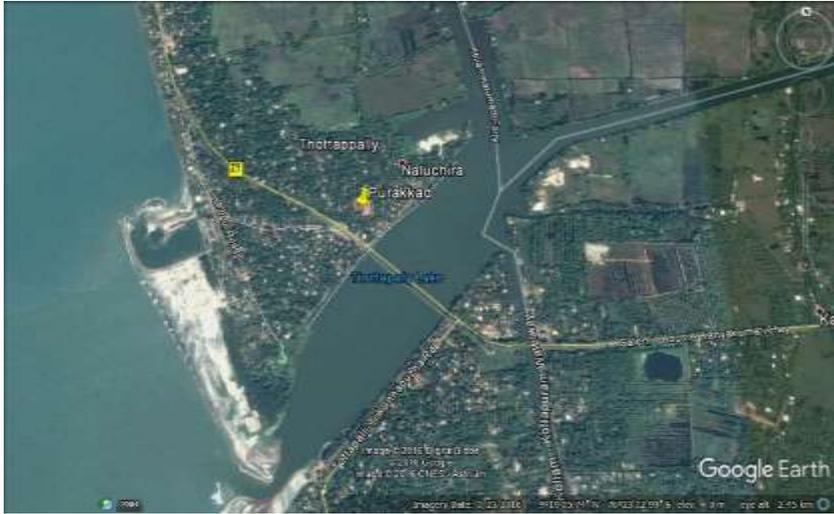
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sqmt. Since, the built up area of PurakkadMPCS is only 700 sqmt, project does not necessitate any environmental clearance.

CRZ Clearance

PurakkadMPCS and approach road is 9 Km from the High Tide Line and is outside Coast Regulation Zone. Hence, the project does not oblige to regulations as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Purakkad MPCs and approach roads, clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



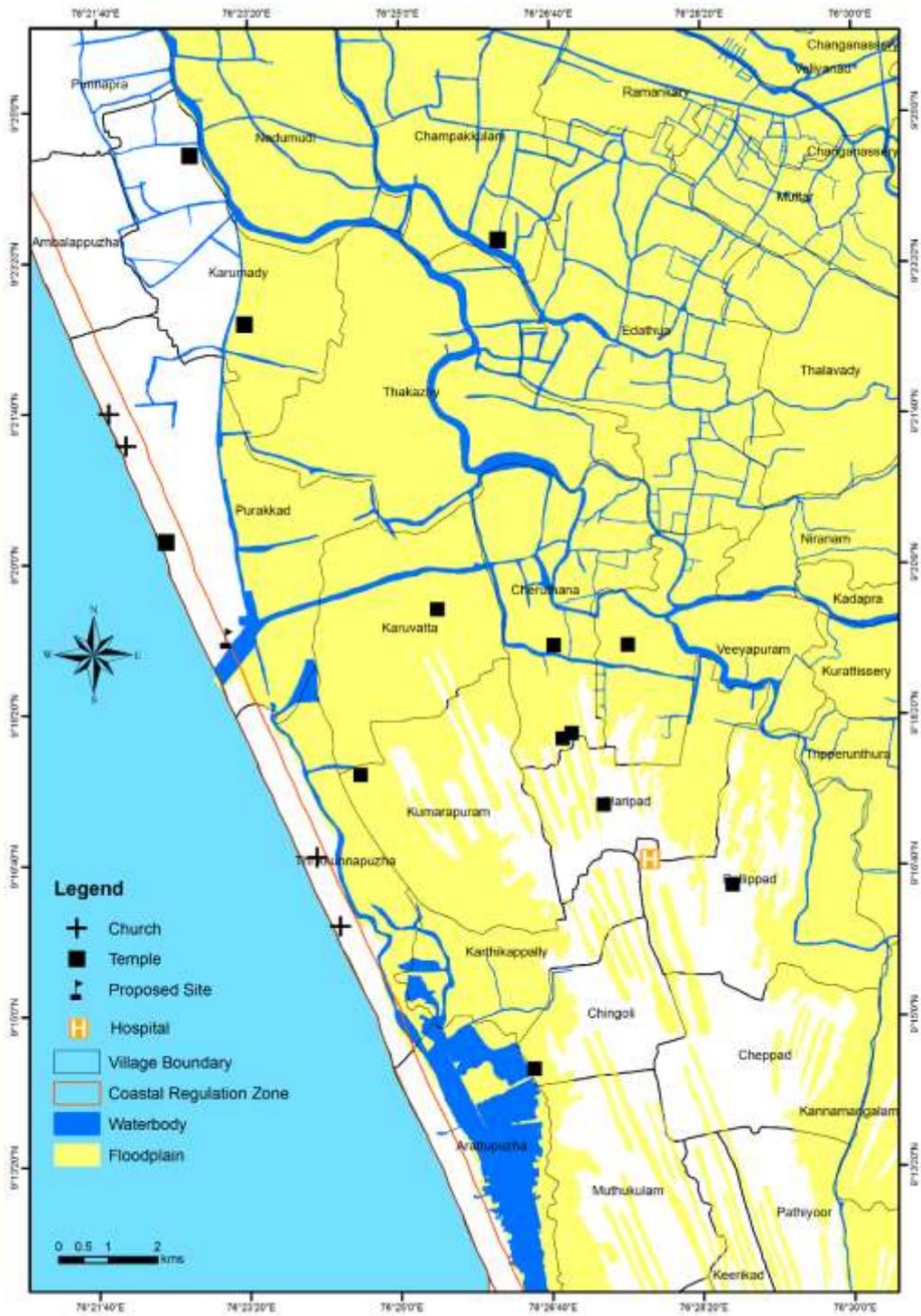
2. Naluchira School premises



3. Approach road to the site



4. Dilapidated building in the site



GIS map of MPCS at Purakkad village

PART C : PANCHAYATH RESOLUTION

District	Alappuzha
Village	Purakkad
Panchayath	Purakkad Gramapanchayath
Place	Purakkad
Date	06.11.2014

പുറക്കാട് ഗ്രാമ പഞ്ചായത്ത്

06-11-2014 തീയതി നടന്ന സാധാരണ / അടിയന്തിര മീറ്റിംഗിലെ

VI(6) -ാം നമ്പർ തീരുമാനം

പുറക്കാട് പഞ്ചായത്തിൽ പുറക്കാട് വില്ലേജിൽ ബ്ലോക്ക് 21 ൽ സർവ്വേ 56/5 ൽ ചുറ്റളം താലൂക്കിലെ ഹെഡ്ക്വട്ടർ നിർമ്മിച്ച സ്ഥലത്ത് ലോകബാങ്ക് സഹായത്തോടെ സൈക്ലോൺ അഭയകേന്ദ്രങ്ങൾ സ്ഥാപിക്കുന്നതിന് സർക്കാർ തീരുമാനമെടുക്കുന്നതായി ജില്ലാ കളക്ട്രേറ്റിൽ വച്ച് നടന്ന യോഗത്തിൽ അറിയാവാൻ സാധിച്ചു. ടി സൈക്ലോൺ കെൽടർ ടി സ്ഥലത്ത് സ്ഥാപിക്കുന്നതു മൂലം ഈ പഞ്ചായത്തിലെ വെള്ളപ്പൊക്കം മൂലം ദുരിതമനുഭവിക്കുന്ന ബഹുജനപക്ഷം വരുന്നയാളുകൾക്ക് കെടുതി കാലങ്ങളിൽ അഭയ കേന്ദ്രമാകുമെന്ന് പഞ്ചായത്തിന് ബോധ്യമുള്ളതാണ്. നിലവിൽ പൊതു ജനങ്ങൾക്ക് പ്രയോജനപ്രദമായ അഭയകേന്ദ്രങ്ങൾ രൂപം തന്നെ പഞ്ചായത്തിൽ ഇല്ലാത്തതാണ്. 1984-89 കാലയളവിൽ യൂറോപ്യൻ എക്കണോമിക് കമ്മ്യൂണിറ്റി സഹായത്തോടെ നിർമ്മിച്ച അഭയകേന്ദ്രം ടി സ്കൂളിൽ നിർമ്മിച്ചുണ്ടെങ്കിലും ടി കെട്ടിടം പഴക്കം ചെന്ന് വളരെ ജീർണ്ണിച്ചതും അപകടാവസ്ഥയിലുള്ളതുമാണ്. ടി കെട്ടിടം എത്രയും വേഗം പൊളിച്ച് നീക്കി ആ സ്ഥാനത്ത് ലോകബാങ്ക് നിർമ്മിച്ചതുപോലെ ഒരു വിവിധോദ്യേശ അഭയകേന്ദ്രം വന്നാൽ ആരുടെ പ്രശ്നമെങ്കിലും സമയങ്ങളിൽ ഈ പഞ്ചായത്തിലെ ജനങ്ങൾക്ക് പ്രയോജനപ്രദമാകുന്നതാണ്. പ്രശ്നമെങ്കിലുമില്ലാത്ത സമയത്ത് ടി കെട്ടിടം സ്കൂളിന്റെ അധ്യായന കാര്യങ്ങൾക്കും അത്യാവശ്യ സമയങ്ങളിൽ കമ്മ്യൂണിറ്റി സെന്ററാക്കാനുമാകുന്നതാണ്. ഇങ്ങനെ ടി സ്ഥലത്തെ ഉപയോഗ്യമാക്കുന്ന പഴയ കേന്ദ്രം പൊളിച്ച് നീക്കി പുതിയ വിവിധോദ്യേശ അഭയകേന്ദ്രം പണിയുന്നതിന് സ്വാഗതാർഹമാണെന്ന് ആലുപ്പുഴ ജില്ലാ കളക്ടറേയും മൂപ്പാ സർക്കാരിനെയും അറിയിക്കുന്നതിന് യോഗം തീരുമാനിച്ചു.


IMTHIAS AHAMMED.A
 Secretary
 Purakkad Grama Panchayat
 Purakkad.P.O.,Pin-688 561
 Mob:9496043653



(ഒപ്പ്)
 പ്രസിഡന്റ്


Summary of the Panchayath meeting decision:

1. The Purakkad Gramapanchayath discussed on decision taken by Government to construct a Multi-Purpose Cyclone Shelter in Block 21, Survey no: 50/5, Naluchira U.P School of Purakkad village.
2. The Panchayath understands that construction of MPCS would benefit the population who are affected by floods. At present, shelters are not available for sheltering the population.
3. A shelter that was built through funds from European Community Union is in a dilapidated situation and is not suitable for shelter purposes exists in the site.
4. Panchayath informed that this dilapidated building can be demolished and MPCS can be built in the site. This MPCS could serve as shelter for vulnerable population in case of a disaster and can be used as community centre in normal times.
5. The Panchayath agrees to construct MPCS in the village. Panchayath further states that demolition and construction should not hinder the normal school activities.
6. The Panchayath has no objection in constructing a MPCS at block no 21 survey no: 50/5 of Govt UP School, Naluchira at Purakkad village.
7. The Panchayath in decision no VI (6) dated 06/11/2014 decided to inform the Authorities regarding the consent of the Panchayath in constructing the Multi-Purpose Cyclone Shelter.

5. MPCS AT MARARIKULAM NORTH VILLAGE

PART A: ESMF CHEKLIST

Part A: General Information about the sub-project

General Information About The Sub Project	
Sub Project id	NCRMP/KER/ALP/ CHE/MARARIKULAM NORTH-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Alappuzha
Taluk	Chertahala
Village	Mararikulam North
Panchayath/Municipal Corporation	Marariikulam North Panchayath
Survey Number	Block no: 20, Survey No: 322/6
Latitude	9° 36' 36.419"N
Longitude	76° 18' 13.091"E
Mean Sea Level	7.8 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1261 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
d. Private Land	Nil
e. Government Land	630 SQ.M
f. Forest Land	Nil
Existing Land use	Fallow land with a seasonally waterlogged pit of 161 SQ.M area
Approach roads	
Road name	Janakshemam junction - Cheruvallisery road connects site to Mararikulam- Arthungal coastal road
Existing road	Length: 100m ROW: 6m
Proposed road	No approach roads proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:	Remarks if any
Biosphere reserve	No
National Park	No
Wildlife/Bird sanctuary	No

Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	Inland wetlands and paddy fields are found within 1 km radius of the site
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	Natural creek is at a distance of 300m to the east of the site
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	

PART C: Environmental Screening Form

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (700m from seaside HTL)
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PART C2: Proximity to environmentally sensitive areas:

Not applicable as the construction area is only 630 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	No
EIA	No
Forest clearance	No

PART D: Social Screening

PART D1: Identification of potential social concerns

1. Does the proposed sub-project activity require any land?		Remarks if any
Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	Yes	630 SQ.M of land in ownership of Revenue Department
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	Yes	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

PART B: BRIEF REPORT

Description of Environmental and Social features

The proposed Multipurpose Cyclone Shelter will be constructed in Maraikulam North Village of Cherthala taluk in Alappuzha District. The proposed land is entitled to Revenue Department.

The site is located at a distance of 700m from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. Natural creek is at a distance of 300m to the east of the site. Inland wetlands and paddy fields are within 1km radius of the site.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The proposed site is presently barren with a seasonally water logged pit occupying 161sq.m area of the land. Trees need to be cut down during site clearance.

Approach roads

The site is on the right hand side of Mararikulam-Arthungal coastal road. No approach roads have been proposed for the MPCs.

Demography of Mararikulam North Village

According to 2011 Census, the village has 3540 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table

Table [Source: Census, 2011]

Population	Persons
Total	13,945
Male	6,860
Female	7,085
In the age group 0-6 years	1,319
Scheduled Castes (SC)	847
Scheduled Tribes (ST)	90
Literates	11,823
Illiterate	2,122
Total Worker	7,001

Legal Clearances

Environmental Clearance

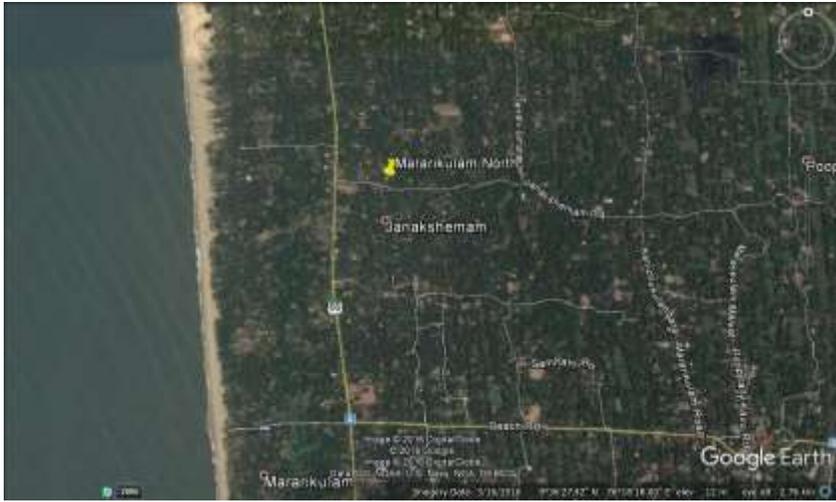
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sqmt. Since, the built up area of Mararikulam NorthMPCS is only700 sqmt, project does not necessitate any environmental clearance.

CRZ Clearance

Mararikulam North MPCS and approach road is 9 Km from the High Tide Line and is outside Coast Regulation Zone. Hence, the project does not oblige to regulations as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Mararikulam NorthMPCS, clearance as per Forest (Conservation) Act, 1980 is not applicable.



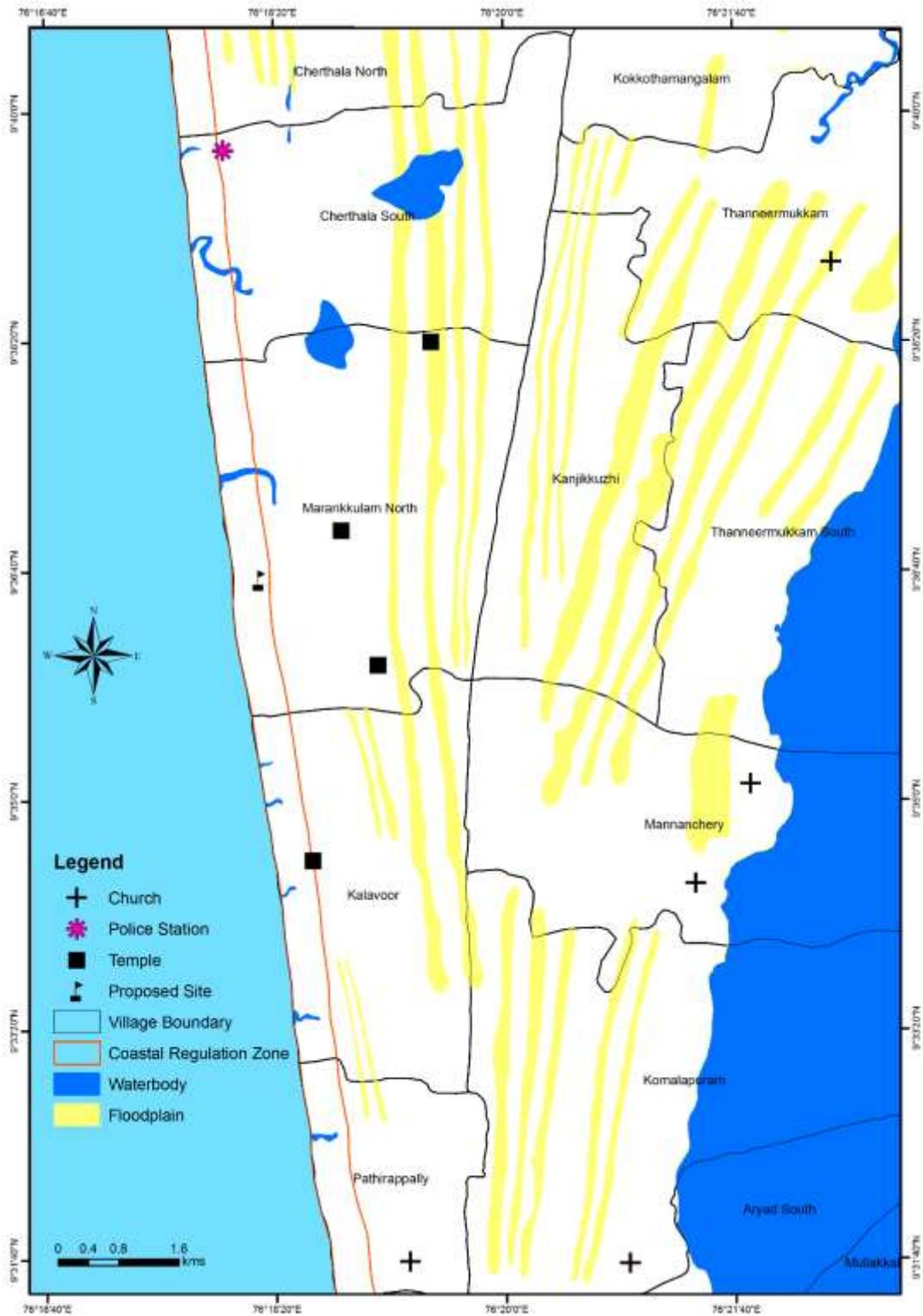
1. Aerial map of site



2. View of site from Approach roads



3. View of the site



GIS map of Mararikulam North MPCs

Summary of the Panchayath meeting decision:

1. Mararikulam North Gramapanchayath discussed on decision taken by Government to construct a Multi-Purpose Cyclone Shelter in Block no: 20, Survey No: 322/6 of Mararikulam North Village.
2. The Panchayath understands that construction of MPCS would benefit the population who are affected by floods. At present, shelters are not available for sheltering the population.
3. This MPCS could serve as shelter for vulnerable population in case of a disaster and can be used as community centre in normal times.
4. The Panchayath has no objection in constructing a MPCS at Block no: 20, Survey No: 322/6 of Mararikulam North Village
5. The Panchayath in decision no.6 dated 24/11/2014 decided to inform the Authorities regarding the consent of the Panchayath in constructing the Multi-Purpose Cyclone Shelter.

6. MPCS AT KAINAKARI NORTH VILLAGE

PART A: ESMF CHEKLIST

Part A: General Information about the sub-project

General Information About The Sub Project	
Sub Project id	NCRMP/KER/ALP/ KUT/KAINAKARI NORTH-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Alappuzha
Taluk	Kuttanad
Village	Kainkari North
Panchayath/Municipal Corporation	Kainkari North Panchayath
Survey Number	Survey number: 65/5
Latitude	9° 30' 6.63"N
Longitude	76° 22' 9.26"E
Mean Sea Level	11 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1200 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
g. Private Land	Nil
h. Government Land	900 SQ.M
i. Forest Land	Nil
Existing Land use	
Approach roads	
Road name	Panchayath roads connect site to Changanassery- Alappuzha main road. National water way III and inland waterway connects the site to nearby towns
Existing road	ROW: 2m
Proposed road	No approach roads proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	Yes	Kuttanad region is a notified Ramsar Site. Inland wetlands,

		Paddy fields are within the 1km radius of the site
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	-	Ramsar site region
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	The site is approximately 50m away from the embankment of the Pamba river that is to the west of the site.
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The proposed site falls in the floodplain region of Kuttanad Wetland system and gets water logged to a height of 75cm during rainy season. Inland wetlands and paddy fields are within 1km radius of the site.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	

PART C: Environmental Screening Form

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (5km from HTL and 55m from water body)
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PART C2: Proximity to environmentally sensitive areas:

Not applicable as the construction area is only 900 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	No
EIA	No
Forest clearance	No

PART D: Social Screening

PART D1: Identification of potential social concerns

1. Does the proposed sub-project activity require any land?	Remarks if any
--	----------------

Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	Yes	900 SQ.M of land in the ownership of Education Department
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	Yes	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

Description of the site

The site for MPCS is within the premises of Government school, Kuppapuram and is entitled to Education Department. The site is located at a distance of 5km from coastline and is located on the deltaic region of Lower Kuttanad surrounded by rivulets of Pamba river and backwaters. The site is approximately 50m away from the embankment of the Pamba river that is to the west of the site and the site is presently barren. The proposed site falls in the floodplain region of Kuttanad Wetland system and gets water logged to a height of 75cm during rainy season. Inland wetlands and paddy fields are within 1km radius of the site.

The site is located in the Vembanad wetland system which is recognised as Ramsar site and is declared as Critically Vulnerable Coastal Area in CRZ notification of 2011. The site is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

Approach roads

Side roads from Changanassery and Alappuzha main road connect Kainakari Panchayath to the nearby towns. The site is 200m away from the Nedumudi-Kuppapuram road that is under construction. A bridge followed by a 2m wide untarred Panchayath public road connects Kuppapuram and the site. The site is accessible from major locations of Alappuzha via waterways. National Water way III and inland waterways connect the site to nearby towns. Two ferry ports are located near to the site. No approach roads have been proposed for the MPCS.

Demography of Kainakari North Village

. Kainakari North village is one among the worst affected regions during floods as most of the houses and roads remains flooded, detaching the village from nearby towns and access to basic facilities. Kainakari Panchayath has a population of 26862 and

a population density of 733 people per sq.km. The population statistics of Kainakari North village is given below in table 1. Apart from a few concrete housing structures, most of the households are thatched huts or with tiled roof. The houses get flooded to a level of 0.6 to 2m in certain areas during monsoon. Houses alongside the canals are among the worst affected/damaged.

Table [Source: Census, 2011]

Population	Persons
Total	8292
Male	4081
Female	4211
In the age group 0-6 years	893
Scheduled Castes (SC)	774
Scheduled Tribes (ST)	3
Literates	7238
Illiterate	1054
Worker	3554
Non Worker	4738

Legal Clearances

Environmental Clearance

As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sqmt. Since, the built up area of Kainakari North MPCs is only 700 sqmt, project does not necessitate any environmental clearance.

CRZ Clearance

Kainakari North MPCs and approach road is 9 Km from the High Tide Line and is outside Coast Regulation Zone. Hence, the project does not oblige to regulations as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Kainakari North MPCs, clearance as per Forest (Conservation) Act, 1980 is not applicable.

Kerala Conservation of Wetland and paddy act 2008

As per Kerala Conservation of Wetland and paddy act 2008, clearance is mandatory for projects in wetland regions of the state. Since, the site is in notified wetland area, the site attracts clearance from the authority.



1. Aerial map of the site



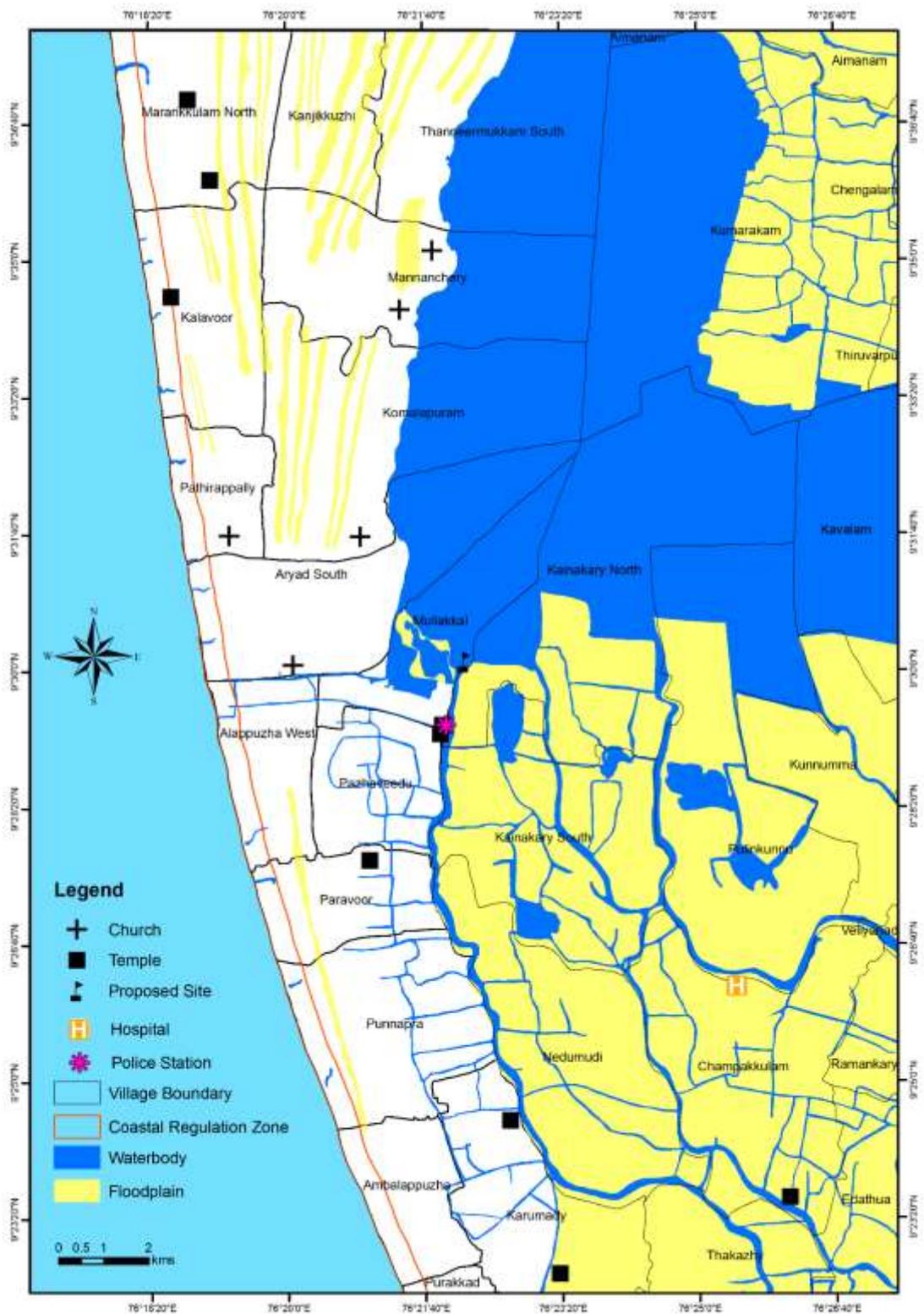
2. View of the site



3. Approach roads to the site (Ferry can be seen)



4. School premises



GIS map of Kainakari North MPCs

PART C: PANCHAYATH RESOLUTION

District	Alappuzha
Village	Kainakari North
Panchayath	Kainakari Gramapanchayath
Place	Kainakari
Date	04.03.2016



Number-A2-1175/16

Ph: 0477-2724235



Kainakary Grama Panchayat Office

Kainakary .P.O
Alappuzha

RESOLUTION NO : VI(1)

DATE : 04/03/2016

Kainakary Grama Panchayat agrees and accepts the decision of the State Government vide GO (Rt) no 641/2016/DMD dated 28 th January 2016 to construct a Multi – Purpose Cyclone shelter at Kuppappuram School premises at Survey No- 5/65 in Block 7 of Kainakary North Village . The Kainakary Grama Panchayat does not see any adverse environmental and Social consequences in constructing the MPCS at the proposed site.



(Sd)
President
Kainakary Grama Panchayat

// True Copy //


SABU C.A.
Secretary
KAINAKARY GRAMA PANCHAYATH
Block 040603657, Call: 0477-2724235

Summary of the Panchayath meeting decision:

The Panchayath meeting was attended by the following members:

1. C. Premji, Junior Superintendent, Collectorate, Alappuzha
2. Jayalal Village officer, Kainakary
3. Sebastien P J Taluk Survyer, Kuttanad
4. Biju S Deputy Tahsildar, Kuttanad
5. Amod. M .Das Village Officer, Kainakary North
6. Sunil P Pathmanabhan, Member, Kainakary Panchayath
7. Sajimol Sajiv Member, Kainakary Panchayath
8. Agnas Grigory Member, Kainakary Panchayath
9. Tintumol T M Member, Kainakary Panchayath
10. Joby Vargheese, Member, Kainakary Panchayath
11. K P Rajeev, Welfare Standing committee Chairman, Member, Kainakary Panchayath
12. R Vishakhan, PTA President,GHS Kuppapuram
13. Jijo Pallikkal, PTA Vise President,GHS Kuppapuram
14. Sushama Ajayan, Chairperson
15. Sheela K S, Headmistress, GHS Kuppapuram
16. Susheela Babu Member, Kainakary Panchayath
17. Ayshamma Jeevanandan, Member, Kainakary Panchayath
18. Subi Santhosh Health and Education committee Chairperson, Member, Kainakary Panchayath
19. Girija Binod, Member, Kainakary Panchayath
20. Maya Devi, Member, Kainakary Panchayath
21. Sheela V.V, President , Kainakary Panchayath
22. Sabu D Secretary, Kainakary Grama Panchayath
23. Chinthumol C, Local Community Mobiliser, NCRMP Project, Alappuzha

1. Panchayath Level committee regarding construction of Cyclone shelters in the compound of Govt High school Kuppapuram conducted on 04/03/2016 at 10.30 AM presided by Smt Sheela V.V (Gramapanchayath President). The details of Project was described by Sri Premji C (Superintendent, Disaster Management section, Collectorate alappuzha) and Smt Chinthu (Local Community Mobiliser, NCRMP Project, Alappuzha).
2. During Monson season, houses and roads in Kainakari North Village remains flooded for several weeks. Schools and community centres are used as relief camps to shelter the vulnerable population. Students lose their academic days during these times.

3. The Panchayath were supported the construction of Multipurpose Cyclone shelter in site as it will serve the purpose for sheltering large number of affected population during flood times.
4. The MPCS would act as a common point for distribution of food and relief materials to sheltered people and vulnerable population from nearby villages can also be accommodated if required.
5. The committee recommended for including helipad facilities during the construction of Multipurpose Cyclone shelter
6. It was agreed that at normal times the MPCS serve as community halls
7. The committee agreed that there are no adverse environmental and social consequences in constructing the MPCS at site.
8. The committee meeting concluded at 11.30 a.m.
9. The decision of Kainkari Panchayath was published through resolution no: VI(1) dated 04/03/2016.

9. District: Kollam

Kollam District

Kollam district is situated on the South west coast of Kerala. The district is bound on the north, north east and south by Alappuzha, Pathanamthitta and Thiruvananthapuram districts respectively. To the east of Kollam is Thirunelveli district of Tamil Nadu and to the west is Arabian Sea. The Sasthamcotta lake, the only major fresh water lake in the state, is in Kollam District. The district has a coastline of 37.3 km was one of the worst affected districts during Tsunami in 2004.

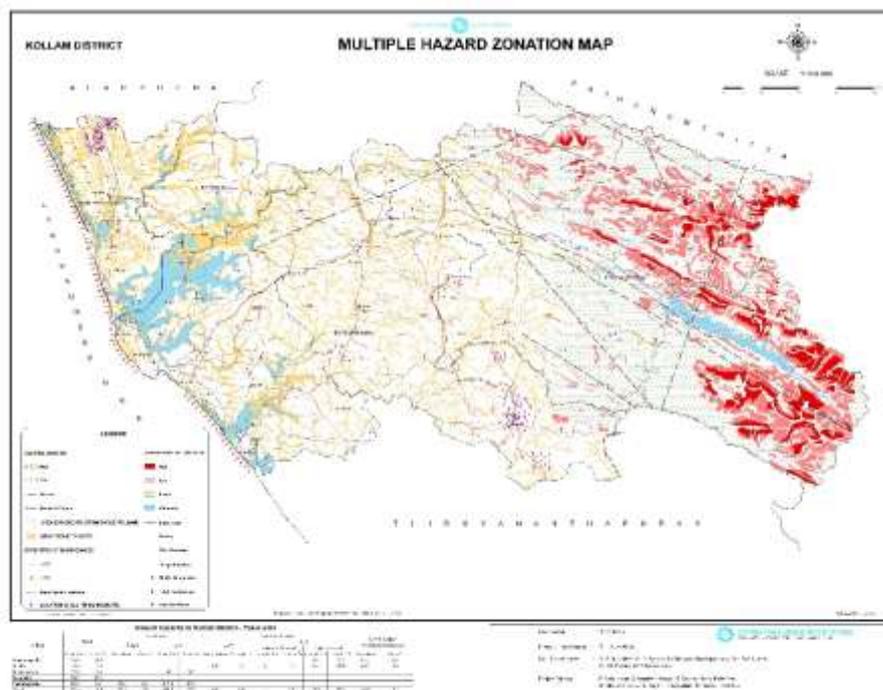
The sites selected for construction of Multipurpose Cyclone shelters in Kasargod District are at Karunagappally Village, Vadakkevila village and Thazhava village of Kasargod District.

Profile of Kollam	
<i>Headquarters</i>	Kollam
<i>Total Population</i>	26,35,375
<i>Male</i>	12,46,968
<i>Female</i>	13,88,407
<i>Population Growth</i>	1.94%
<i>Density/Km2</i>	1061
<i>Number of Taluks</i>	6
<i>Number of Villages</i>	104
<i>Number of Panchayath Wards</i>	70
<i>Forest Area</i>	814.38 Km2
<i>Average Rainfall</i>	2,700 mm
<i>Temperature</i>	Min: 22.4°C Max:36°C
<i>Number of major rivers</i>	2
<i>Major Soil</i>	Sandy loams, Laterite soil

Vulnerability Assessment of the District

Two rivers Kallada and Ithikkara flows through this District. The Sasthamcotta lake, the only major fresh water lake in the state is in Kollam District. Banks of Kayamkulam Kayal and Ashtamudi kayal area prone to flooding. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluks in the district	Flood		Coastal Erosion						Storm surge/ Tsunami inundation	
			Low		High					
	Area km2	Area %	Length Km	Length %	Without seawall		With sea wall		Area km2	Area %
					Length Km	Length %	Length Km	Length %		
Karunagappally	56.6	31.8	0.9	3.6	1.1	4.5	20.3	85.8	14.7	8.2
Kollam	72.3	18.7	-	-	-	-	17.5	69	16.8	4.4
Kottarakara	75.3	13.6	-	-	-	-	-	-	-	-
Kunnathur	38.5	27.6	-	-	-	-	-	-	-	-
Pathanapuram	40.5	3.3	-	-	-	-	-	-	-	-



1. MPCs AT KARUNAGAPPALLY VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KLM/ KAR/ KARUNAGAPPALLY-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kollam
Taluk	Karunagappally
Village	Karunagappally
Panchayath/Municipal Corporation	Karunagappally Municipality
Survey Number	Block:10, Survey number: 582/11
Latitude	9° 3' 47.85"N
Longitude	76° 32' 20.85"E
Mean Sea Level	9.5 m above MSL
Size of the sub-project	
Cyclone Shelter – approx. built up area	1314 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
s. Private Land	Nil
t. Government Land	500 SQ.M
u. Forest Land	Nil
Existing Land use	A dilapidated building exists in the site
Approach roads	
Road name	Model Polytechnic College Road
Existing road	Length: 500m ROW: 5m
Proposed road	No approach road proposed
Part B: Ascertaining whether the site is a prohibited site	
Part B1: List of sites where sub-projects are prohibited	
Is the sub-project located in whole or within any of the following environmentally sensitive area?	Remarks if any

Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	Paddy fields and inland wetlands are found within 1km radius of the site.
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is at a distance of 1.4 km from the Stream of Achenkoil river.
Is the sub-project located in whole or in part 500 meters from railway line?	No	The site is 507km from the nearest railway line.
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (4.6km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 500 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Part D (2): Result/Outcome of Social Screening Exercise		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Education Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which	No	

nearby residents/local population are dependent for fuel wood/grazing etc.?		
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

PART B: BRIEF REPORT

Description of Environmental and Social features

The site was earlier used as office of the Kallada Irrigation Project. A total area of 25 cents is available for constructing MPCS, remaining land is proposed for court complex. A dilapidated office building exists in the proposed site which has to be demolished to facilitate construction. The site is at a distance of 470m from National Highway and is also accessible from Model Polytechnic College road. The site is near to Mini Civil Station of Karunagappally and has access to all basic amenities.

The site is located at a distance of 4.6km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. Wetlands are found within 10km radius of the site.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list]..

Trees will have to be cut down to clear the land for construction. Trees such as teak, Coconut and others are growing in the site. Banana plantation was noticed on the portion of land adjacent to nearby road. These will have to be cut down during site preparation phase.

Approach roads

Model Poly-Technic School road connects the site to National Highway. Upgradation of existing approach road is not proposed.

Demography of Karunagappally Village

According to 2011 Census, the village has 6310 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	25,336

Male	12,219
Female	13,117
In the age group 0-6 years	2,500
Scheduled Castes (SC)	2,235
Scheduled Tribes (ST)	82
Literates	21,754
Illiterate	3,582
Worker	7,968
Non Worker	17,368

Legal Clearances

Environmental Clearance

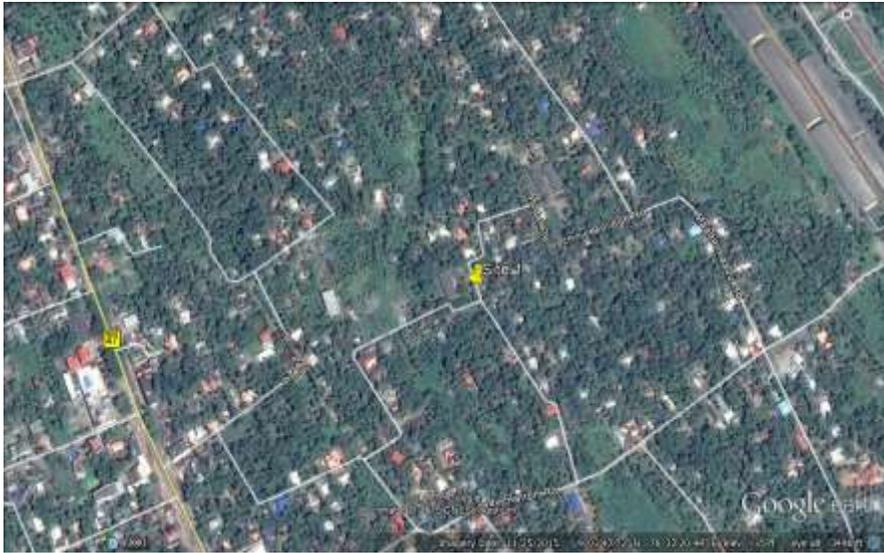
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Karunagappally MPCs is only 1314 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Karunagappally MPCs is 1 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Karaunagappally MPCs clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



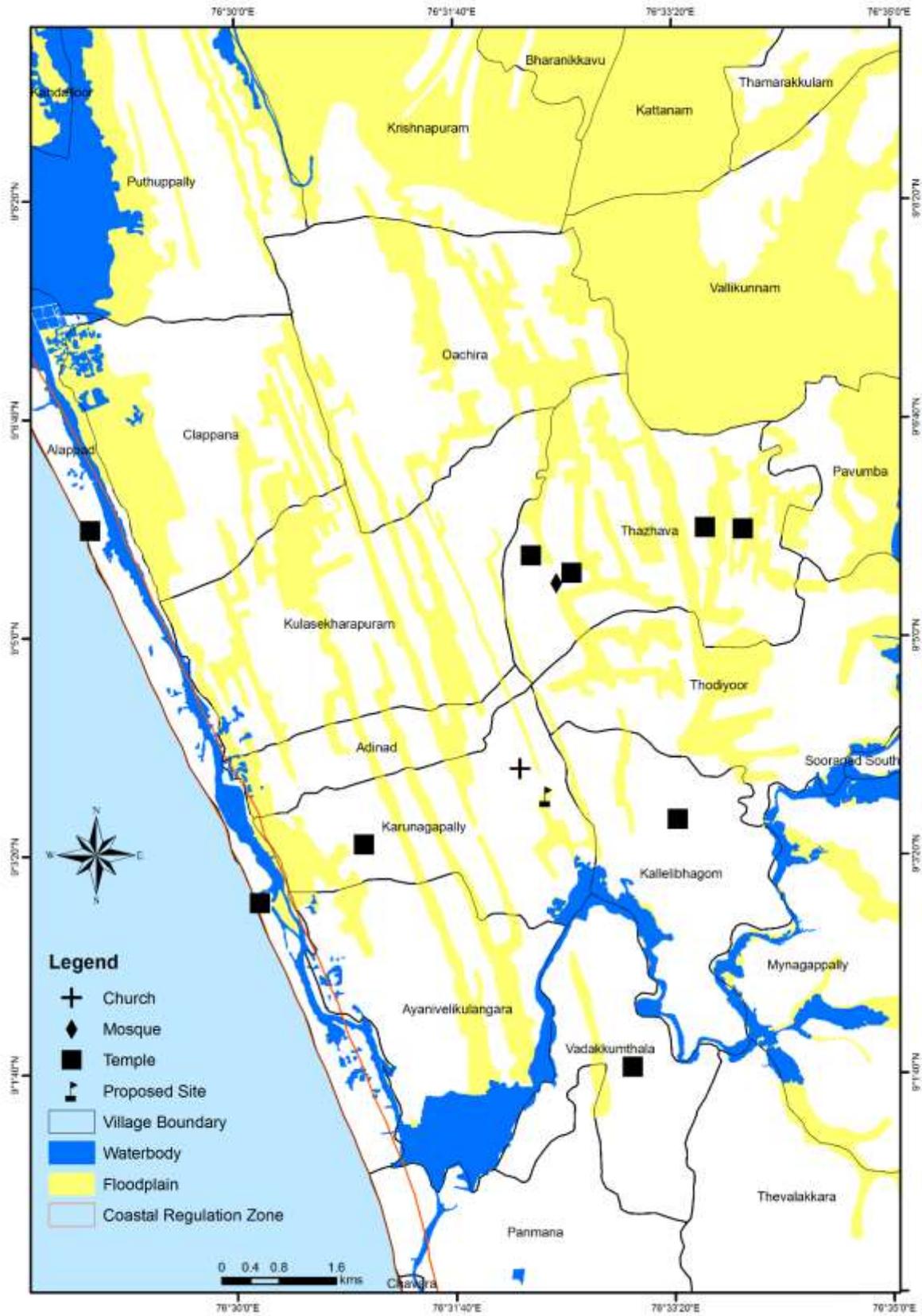
2. View of the site (Dilapidated building in the site a be seen)



3. Entry to the site



4. Approach road to the site



GIS map of MPCS at Karunagappally Village

PART C: PANCHAYATH RESOLUTION

District	Kollam
Village	Karunagappally
Corporation	Karunagappally Municipal Corporation
Place	Karunagappally
Date	30/03/2016



കരുനാഗപ്പള്ളി നഗരസഭ

30.03.2016 ലെ ബഹു:കൗൺസിലിന്റെ 5(6)-ാം നമ്പർ തീരുമാനം.

പി.ഡബ്ല്യു2/4074/16 - ലോകബാങ്ക് സഹായത്തോടെ നടപ്പിലാക്കുന്ന ചുഴലിക്കാറ്റ് രക്ഷാകേന്ദ്രങ്ങൾ സ്ഥാപിക്കുന്ന സ്ഥലങ്ങളിൽ കരുനാഗപ്പള്ളി വില്ലേജിനെ ഉൾപ്പെടുത്തിയതായും ആയത് സ്ഥാപിക്കുന്നതിന് നഗരസഭയുടെ ഭരണസമിതി തീരുമാനം ലഭ്യമാക്കണമെന്ന് ബഹു. ജില്ലാകളക്ടറുടെ നിർദ്ദേശം ലഭിച്ചിരിക്കുന്നു. ആയത് പരിഗണനയ്ക്കായി.

കുറിപ്പ്:- 28.01.2016 ലെ ജി.ഒ.(ആർ.റ്റി) 641/2016 ഒ.എം.ഡി, ബഹു. ജില്ലാകളക്ടറുടെ 10.02.2016 ലെ എൻ3-52804/11 നം കത്ത്.

തീരുമാനം

ഈ വിഷയം പെരുമാറ്റപട്ടത്തിന് വിധേയമായി കൗൺസിൽ അംഗീകരിച്ച് തീരുമാനിച്ചു.

(ഒപ്പ്)

ചെയർമാൻ
കരുനാഗപ്പള്ളി നഗരസഭ

ശരിപ്പകർപ്പ്

സെക്രട്ടറി
കരുനാഗപ്പള്ളി നഗരസഭ



Summary of the Council meeting decision:

13. The Karunagappally Municipal Council met for its session on 30/03/2016 to discuss on the Government's decision to construct Multi propose Cyclone Shelter at Karunagappally Village with and to discuss reference to discuss on the request from the District Collector seeking approval of the Local Self Governing body of Karunagappally in this regard.

14. The council in its resolution no 5(6) has agreed to the decision to construct a Multipurpose Cyclone Shelter at Karunagappally Village adhering to the prevailing election code of conduct.

2. MPCS AT THAZHAVA VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/ALP/ KAR/THAZHAVA-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kollam
Taluk	Karunagappally
Village	Thazhava
Panchayath/Municipal Corporation	Thazhava Gramapanchayath
Survey Number	Block:11, Survey number: 706/5
Latitude	9° 5' 22.5"N
Longitude	76° 33' 43.8"E
Mean Sea Level	15 m above MSL
Size of the sub-project	
Cyclone Shelter – approx. built up area	1000 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
v. Private Land	Nil
w. Government Land	600 SQ.M
x. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	The site is accessible from main road (Puthiyakavu-Chakkuvally road) and Panchayath roads. The site is 3.5km east to the National Highway.
Existing road	50m untarred road of 5m ROW connects the site to the nearby main road
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	

Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	Yes	A pond exists within 200m from the site

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (7.7 km from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is less than 1300 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

Does the proposed sub-project activity require any land?	Remarks if any
Private Land	No

Government Land	Yes	Approximately 600 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	<i>Number of trees:1 Species Artocarpus heterophyllus (Jack fruit tree) within Government land</i>
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise

Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP- Kerala

Description of Environmental and Social features

The site is a barren land within the compound of Village office of Thazhava. The site is accessible from main road (Puthiyakavu-Chakkuvally road) and Panchayath roads. The site is 3.5km east to the National Highway. The site is around 7km from the High Tide Line. The MPCs could be used for various purposes of the District Administration as well as training centres, Conference rooms etc. Railway line is at a distance of 2.5km from the proposed site. Community Health Centre, Panchayath office etc are located close to the proposed site. A pond exists within 200m from the site. The water table level in the region is good and there is no scarcity for water. Private settlements are present near to the site. A Jackfruit tree (*Artocarpus heterophyllus*) has to be cut down to clear the land for construction.

The site is located at a distance of 7.7 km from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden.

The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

Approach roads

The site is accessible from main road (Puthiyakavu-Chakkuvally road) and Panchayath roads. The site is 3.5km east to the National Highway. Upgradation of existing approach road is not proposed.

Demography of Thazhava Village

According to 2011 Census, the village has 5995 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the Village Population during emergencies. The categories of population in the village are given below in Table.

Table [Source: Census, 2011]

Population	Persons
Total	23,341
Male	10,818
Female	12,523
In the age group 0-6 years	2,339
Scheduled Castes (SC)	1824
Scheduled Tribes (ST)	46
Literates	19,700

Illiterate	3,641
Worker	7,094
Non Worker	16,247

Legal Clearances

Environmental Clearance

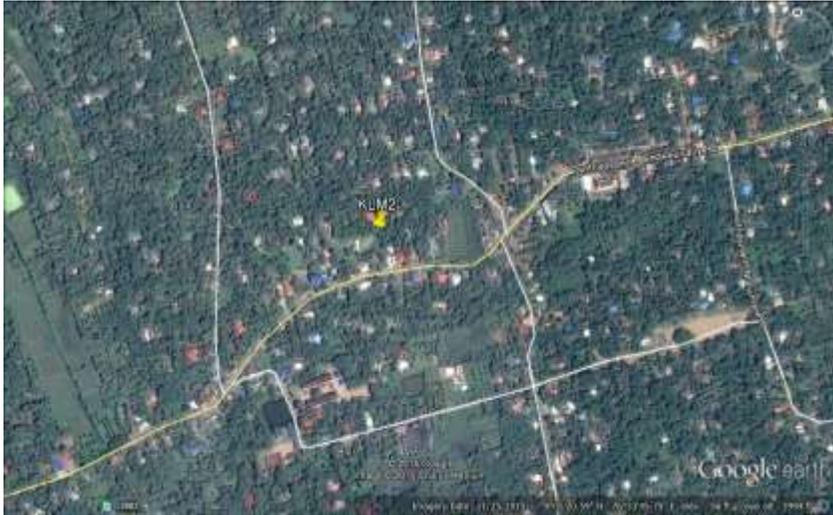
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Thazhava MPCS is only 1000 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Thazhava MPCS is 7.7 km from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Thazhava MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



6. Aerial view of the site



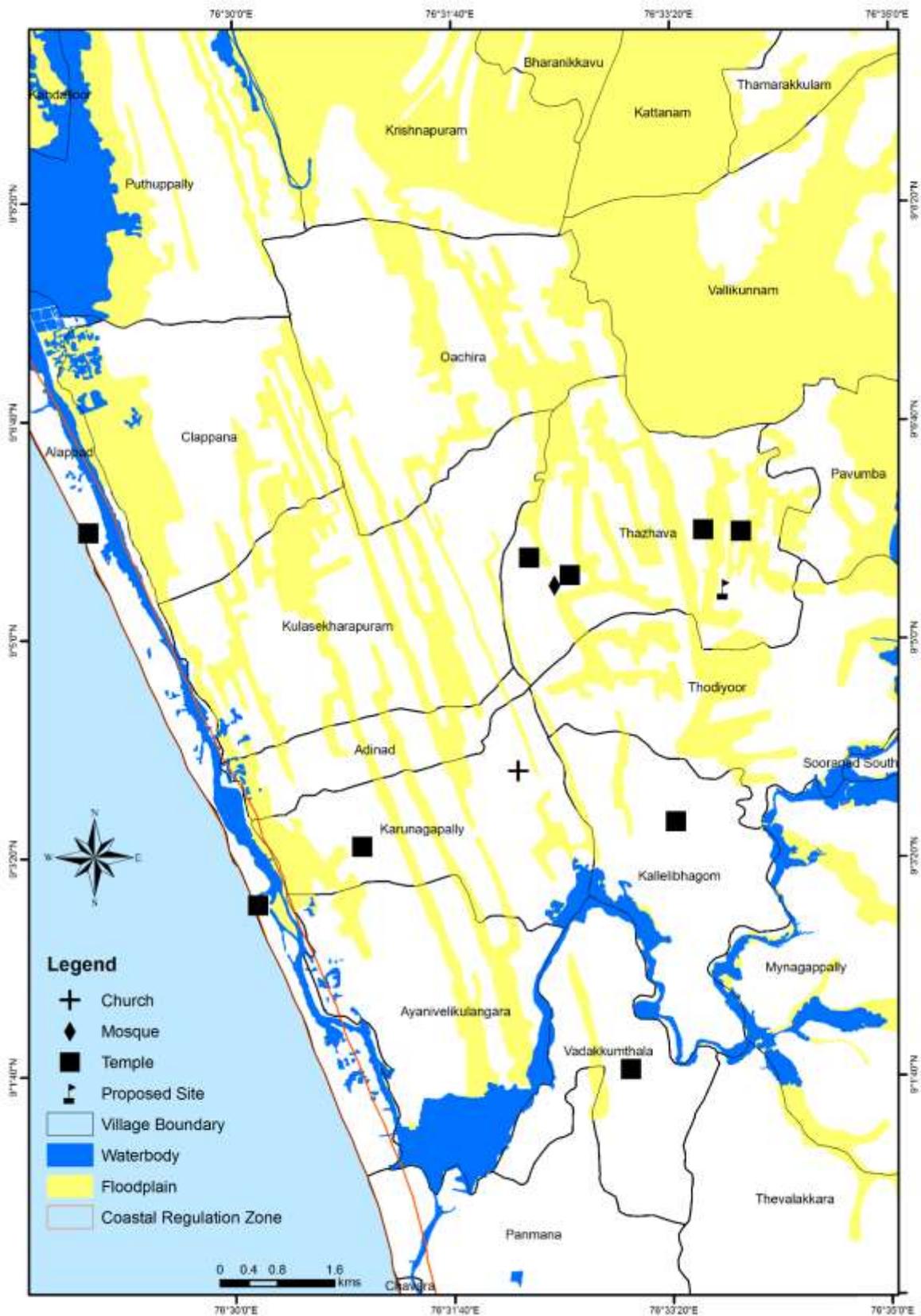
2. View of the site (Village Office building can be seen)



3. Entry to the site



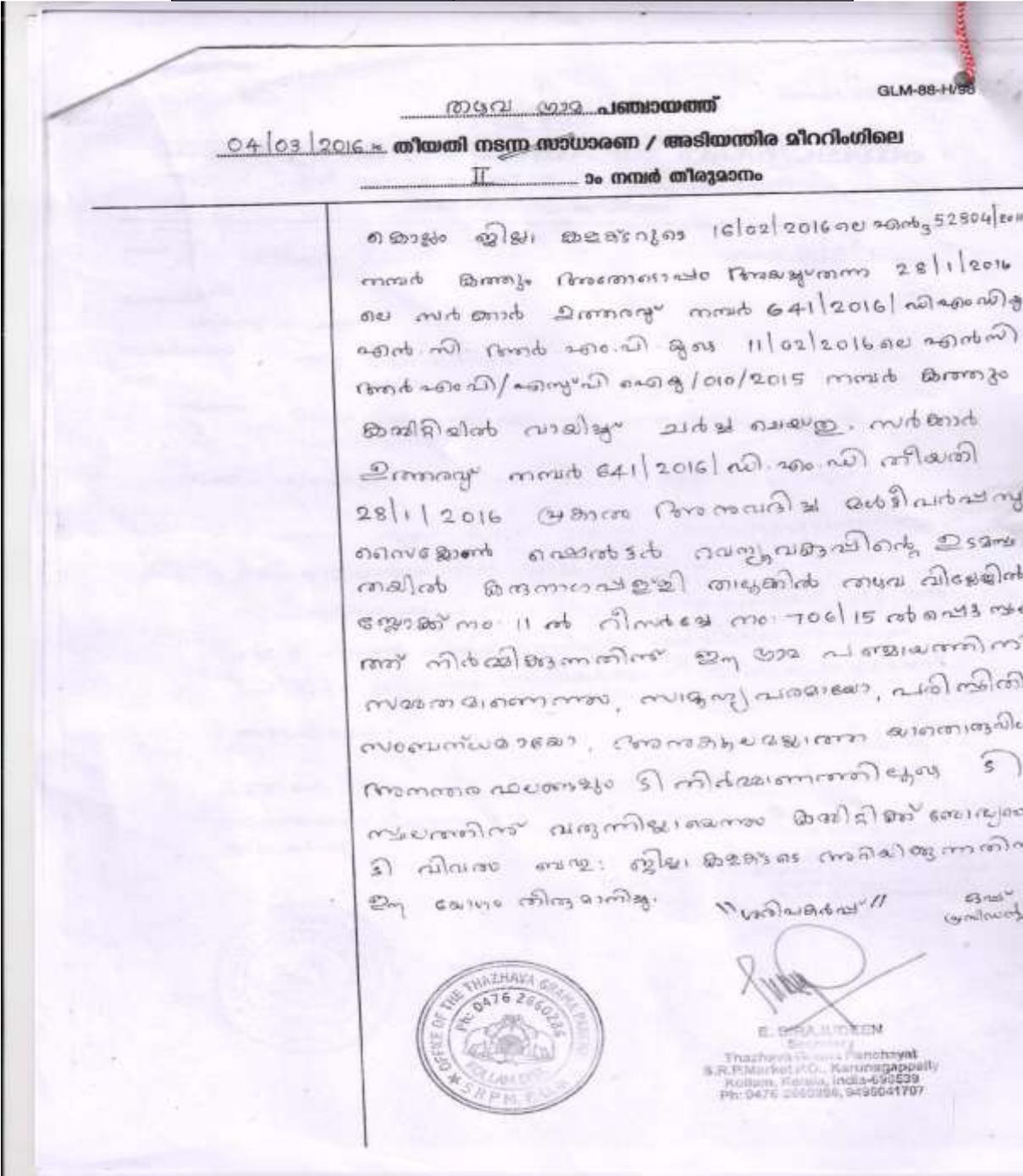
4. View of the site



GIS map of MPCs at Thazhava Village

PART C: PANCHAYATH RESOLUTION

District	Kollam
Village	Karunagappally
Panchayath	Thazhava Gramapanchayath
Place	Kollam
Date	04/03/2016



Summary of the Panchayath meeting decision:

1. The Panchayath meeting read and discussed on the letter forwarded from Kollam Collector and the Government Order regarding the selection and in principle sanction to construct a Multi purpose Cyclone Shelter (MPCS) at Thazhava Village.
2. The Panchayath agreed and accepted the decision of the Government to construct a MPCS at Block no: 11, Survey no: 706/5 of Thazhava Village.
3. The Panchayath does not see any adverse environmental or social issues due to construction of the MPCS in this site.
4. The Panchayath in its letter no: T4-1345/16 has informed its decision on this regard to District Collector of Kollam.

10. District: Thiruvananthapuram

Thiruvananthapuram District

Thiruvananthapuram is built on seven hills and is located at 8°30'N 76°54'E. 8.5°N 76.9°E on the west coast, near the southern tip of mainland India. The city is bounded by Arabian sea in the west with a coastline of 78 km and the Western Ghats to its east. The Geological Survey of India has classified Thiruvananthapuram as a moderately earthquake-prone urban centre and categorized it in the Seismic III Zone. Karamana and Killi rivers, Vellayani and Akkulam lakes are the main water bodies in the city. Thiruvananthapuram gets majority of the rain from the south-west monsoons and gets its first showers in early June. It also gets rain from the receding north-east monsoons in October.

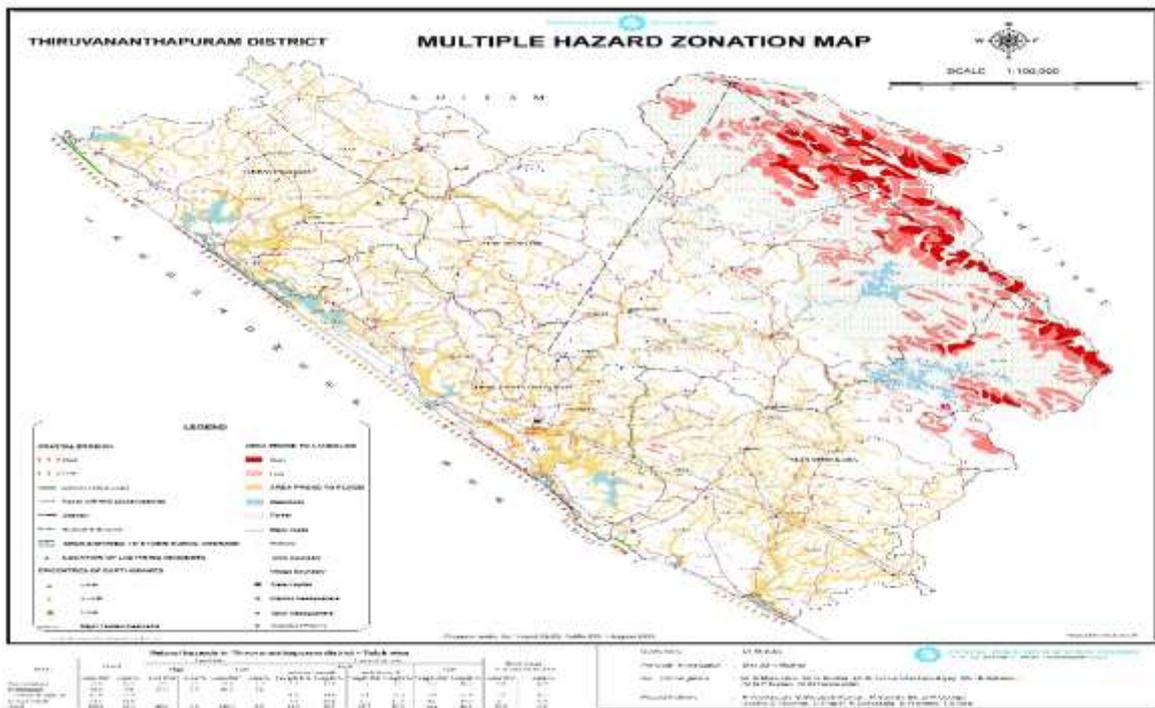
The sites selected for construction of Multipurpose Cyclone shelters in Thiruvananthapuram District is in Muttathara village of Kasargod District.

Profile of Thiruvananthapuram	
<i>Headquarters</i>	Kudapnakkunnu
<i>Total Population</i>	33,07,284
<i>Male</i>	15,84,200
<i>Female</i>	17,23,084
<i>Population Growth</i>	2.7%
<i>Density/Km2</i>	1509
<i>Number of Taluks</i>	6
<i>Number of Villages</i>	121
<i>Number of Panchayath Wards</i>	73
<i>Forest Area</i>	49,861 Km2
<i>Average Rainfall</i>	3,500mm
<i>Temperature</i>	Min: 23°C, Max:38°C
<i>Number of major rivers</i>	4
<i>Major Soil</i>	Fairly rich brown loam of laterite, Sandy loam

Vulnerability Assessment of the District

The banks of Nadayara kayal, Ayirur river, Parvathiputhanar, Ayirur ar, Ayirur ar, Kulamada & Navaikulam, Ithikkara ar, Vilakadu, Neyyar and paddy fields are prone to flooding during monsoon. The table below details the vulnerability area of the district to various hydro-meteorological hazards.

Taluku in the district	Flood		Coastal Erosion						Storm surge/ Tsunami inundation	
			Low		High					
	Area km2	Area %	Length Km	Length %	Without seawall		With sea wall			
					Length Km	Length %	Length Km	Length %		
Neyyatinkara	72.6	12.7	8.7	41.5	2.7	12.9	1.5	7.3	4.9	0.9
Nedumangad	68.4	7.4	-	-	-	-	-	-	-	-
Thiruvananthapuram	65.8	21.3	17.6	57.9	4.3	14.0	8.4	27.6	2.1	0.7
Chirayinkeezh	61.3	15.9	4.5	19.4	4.9	21.2	5.7	24.6	3.4	0.9



Source: National Centre for Earth Science Studies

1. MPCS AT MUTTATHARA VILLAGE

PART A: ESMF CHECKLIST

Part A: General Information about the sub-project

Sub Project id	NCRMP/KER/TVM/THI/MUTTATHARA-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Thiruvananthapuram
Taluk	Thiruvananthapuram
Village	Muttathara
Panchayath/Municipal Corporation	Thiruvananthapuram Corporation
Survey Number	Survey No: 2798
Latitude	8°27'48.5"N
Longitude	76°55'54.2"E
Mean Sea Level	11 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	1300 SQ.M
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
y. Private Land	Nil
z. Government Land	700 SQ.M
aa. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	Sewage farm road
Existing road	ROW: 12 m
Proposed road	No approach road proposed
Boundary wall requirement	No

Part B: Ascertaining whether the site is a prohibited site

PART B1: List of sites where sub-projects are prohibited

Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	

Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 meters from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	Parvathy puthan river is at a distance of 480m to the west of the site
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	

PART C: Environmental Screening Forms

PART C1: Proximity to Coastal Regulatory Zone:

Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (500 m from HTL)
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PART C2: Proximity to Environmentally Sensitive areas:

Not applicable as the construction area is only 700 SQ.M.

PART C3: Environmental screening – outcome

Screening outcome

Based on the updating of the screening results, the following clearances are required	
CRZ clearance	Not applicable
Environmental clearance	Not applicable
Forest clearance	Not applicable

PART D: Social Screening

PART D1: Identification of potential social concerns

6. Does the proposed sub-project activity require any land?	Remarks if any
Private Land	No

Government Land	Yes	700 SQ.M of land in Ownership of Revenue department
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	Coconut trees (<i>Cocos nucifera</i>) and Acacia trees have to be cut down to facilitate construction
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	

Part D (2): Result/Outcome of Social Screening Exercise Outcome

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No

Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

PART B: BRIEF REPORT

Description of Environmental and Social features

The site is near to densely populated fisherman area in Bheemappally, Valiyatura area. The site is bordered in north by-road to fishermen area of Valiyathura, in east by Sewage farm road in south by Sewage farm employee quarters and in west by Private house. The site has boundary wall and a gate. A transformer is situated near to the gate. A dilapidated vehicle parking shed and water tank exists in the site. Coconut trees and Acasia needs to be felled for site clearance. Air force area, Airport, Sewage farm and Sewage treatment plant are all to the north of the site and within 5km distance from the site. Mosques are at 2km radius of the site. The site falls in CRZ and is subject to Town Planning regulations existing in Corporation area.

The site is located at a distance of 500 m from coastline and is 1 km away from Biosphere reserve, National Park, Wildlife/Bird Sanctuary, Tiger or Elephant Reserves, Important Bird areas, Mangroves Habitat of Migratory birds, Migratory route of Wild Animals/Birds, Reserved/Protected Forest, Zoological Park, Botanical Garden. The site is not located within or at a distance of 1km from World Heritage Sites, Archaeological monuments [under ASI's Central/State list].

The MPCS could be used for holding camps/trainings and other community functions during normal times.

Approach roads

The site is directly accessible from Valiyathura-Sewage farm road. Upgradation of access road is not proposed.

Demography of Muttathara Ward OF Thiruvananthapuram Corporation

According to 2011 Census, the village has 1401 households. The proposed Multipurpose Cyclone Shelter is expected to benefit the vulnerable Population in Muttathara and nearby wars of the corporation during emergencies. The categories of population in the village are given below in Table. 1401

Table [Source: Census, 2011]

Population	Persons
-------------------	----------------

Total	7,714
Male	3,809
Female	3,905
In the age group 0-6 years	1,152
Scheduled Castes (SC)	205
Scheduled Tribes (ST)	30
Literates	5,606
Illiterate	2,108
Worker	2,173
Non Worker	5,541

Legal Clearances

Environmental Clearance

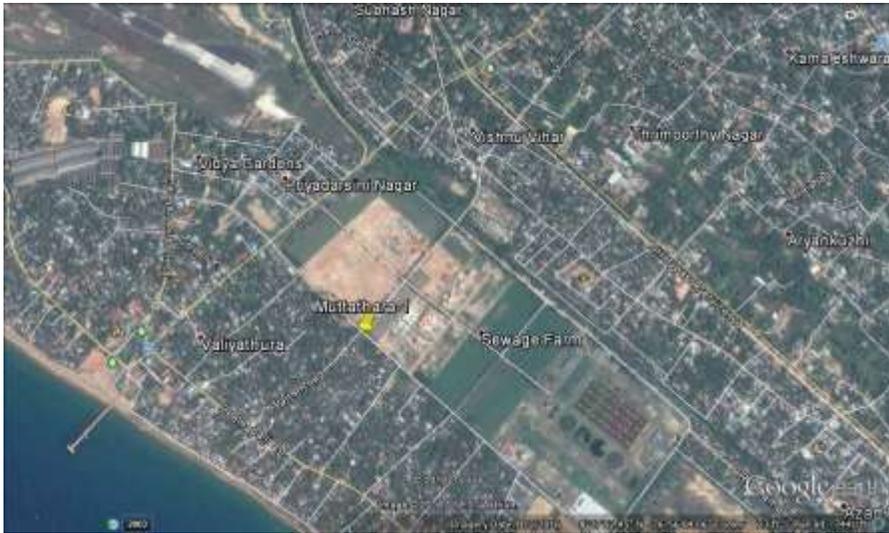
As per EIA notification, 2006 environmental clearance is mandatory for projects with built up area more than 20,000 sq mt. Since, the built up area of Muttathara MPCS is only 1300 sq.mt, project does not necessitate any Environmental clearance.

CRZ Clearance

Muttathara MPCS is 500 m from the High Tide Line and is not within the Coast Regulation Zone. Hence, the project does not require clearance as per CRZ notification, 2011.

Forest Clearance

Since, diversion of forest area or felling of roadside plantation is not required during any phase of construction of Muttathara MPCS clearance as per Forest (Conservation) Act, 1980 is not applicable.



1. Aerial view of the site



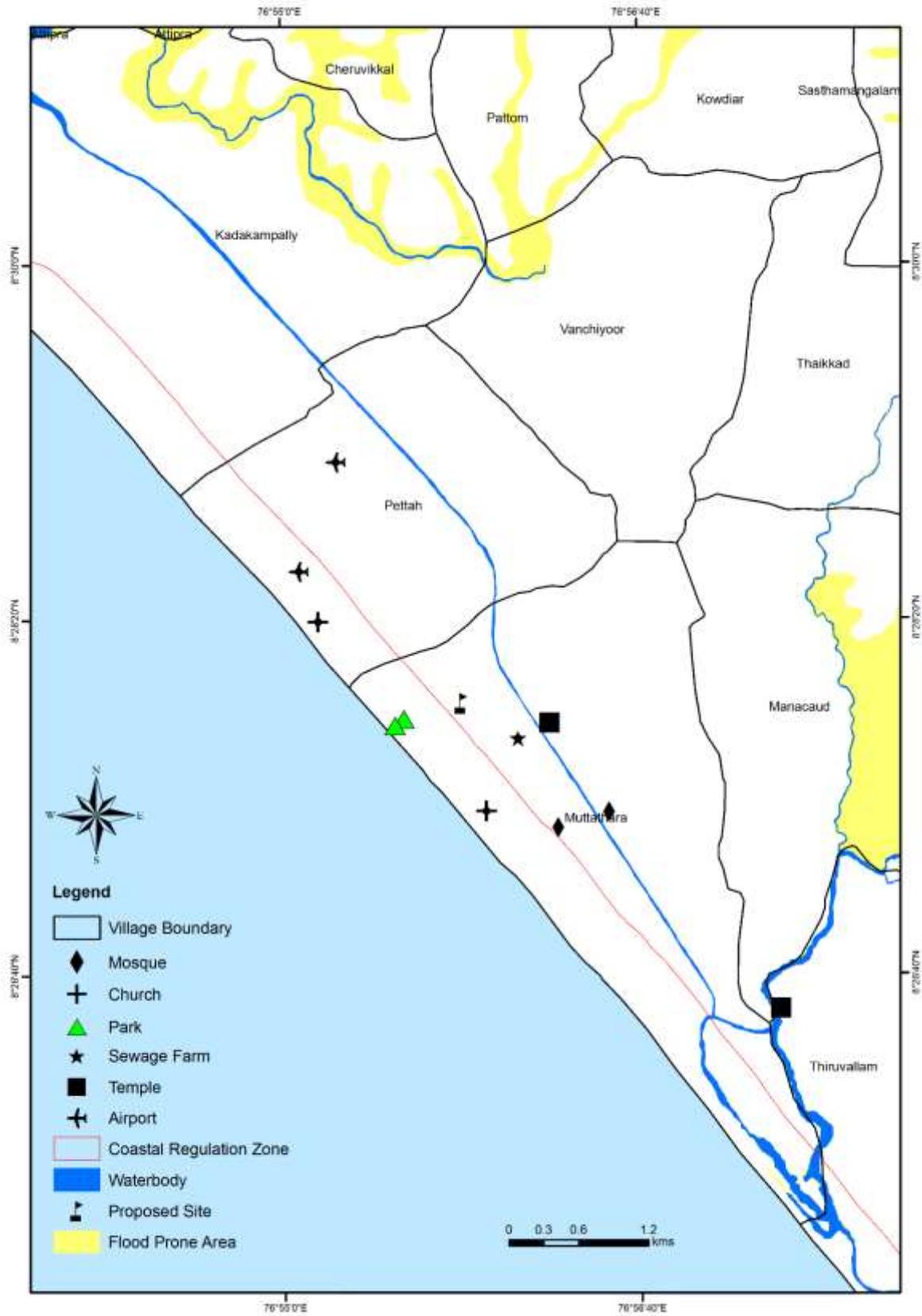
2. View of the site from access road



3. View of Access road



4. Aerial view of the site (Sewage farm premises can be seen)



GIS map of MPCS at Muttathara Village

PART C: PANCHAYATH RESOLUTION

District	Thiruvananthapuram
Village	Muttathara
Corporation	Thiruvananthapuram corporation
Place	Muttathara
Date	-

Note:

Resolution from Thiruvananthapuram Corporation is awaited.

11. ESMF Checklists of sites not selected for the project

1. MPCS Site Location: Government Lower primary School compound, Bare, Kasargod		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KSD/HOS/BARE-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Hosdurg	
Village	Bare	
Panchayath/Municipal Corporation	Bare Gramapanchayath	
Survey Number	Survey number: 210/1A	
Latitude	12° 27' 27.2"N	
Longitude	75° 2' 12.7"E	
Mean Sea Level	50 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1300 SQ.M	
c. Forest Land	Nil	
Existing Land use	Acacia Plantation	
Approach roads		
Road name	Mangad-Chattanchal road	
Existing road	ROW: 20 m, Unpaved	
Proposed road	No approach road proposed.	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

1. MPCS Site Location: Government Lower primary School compound, Bare, Kasargod		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	The site is located 4km from coastline
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (4 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 1000 SQ.M of land under ownership of Education Department.
Forest Land	No	

1. MPCS Site Location: Government Lower primary School compound, Bare, Kasargod		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	Acacia Plantation is present in the site
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	

**1. MPCS Site Location: Government Lower primary School compound,
Bare, Kasargod**

Designation

Environmental and Social Specialist, State Project
Implementation Unit, NCRMP-Kerala

2. MPCS Site Location: Revenue land, Kanhangad		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KSD/ HOS/HOSDURG-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Hosdurg	
Village	Hosdurg	
Panchayath/Municipal Corporation	Kanhangad Municipal Corporation	
Survey Number	Survey number: 204/1A,1A,1A,1A,1A	
Latitude	12° 18' 47.2"N	
Longitude	75° 5' 27.5"E	
Mean Sea Level	25 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area		
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M	
c. Forest Land	Nil	
Existing Land use	A temporary vehicle parking shed exists in the site	
Approach roads		
Road name	National Highway	
Existing road	-	
Proposed road	No approach road proposed.	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

2. MPCS Site Location: Revenue land, Kanhangad		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	Yes	The site is 280m west to the railway line
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 1000 SQ.M of land under ownership of Revenue Department.

2. MPCS Site Location: Revenue land, Kanhangad		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	
Number of public structures/buildings	1 (One)	One vehicle parking shed
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

3. MPCS Site Location: Maicha, Cheruvathur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KSD/ HOS/CHERUVATHUR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Hosdurg	
Village	Cheruvathur	
Panchayath/Municipal Corporation	Cheruvathur Gramapanchayath	
Survey Number	Survey number: 336	
Latitude	12° 13' 59.1"N	
Longitude	7° 59' 38.3"E	
Mean Sea Level	45 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Nil	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Area not available	
c. Forest Land	Nil	
Existing Land use	Dilapidated shelters exists in the site	
Approach roads		
Road name	Veeramalakunnu road	
Existing road	ROW: 8 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

3. MPCS Site Location: Maicha, Cheruvathur		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	Yes	The site is 360m to the south of Thejaswini river
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (4 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction of MPCS		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Adequate area is not available for construction of MPCS as dilapidated shelters exists in the site
Forest Land	No	

3. MPCS Site Location: Maicha, Cheruvathur		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	2 (Two)	Two dilapidated structures exists in the site
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

4. MPCS Site Location: Government Upper Primary School, Cheruvathur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KSD/HOS/CHERUVATHUR-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Hosdurg	
Village	Cheruvathur	
Panchayath/Municipal Corporation	Cheruvathur Gramapanchayath	
Survey Number	Survey number: 451/5	
Latitude	12° 12' 35.6"N	
Longitude	75° 9' 13.4"E	
Mean Sea Level	20 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area		
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available	
c. Forest Land	Nil	
Existing Land use	School building exists in the site	
Approach roads		
Road name	Cheruvathur-Padne-Edakkal road	
Existing road	ROW: 10 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

4. MPCS Site Location: Government Upper Primary School, Cheruvathur		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is 2.4 km from the backwaters
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (3 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		Not applicable
Environmental clearance		Not applicable
Forest clearance		Not applicable
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Adequate area not available for construction of MPCS
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

4. MPCs Site Location: Government Upper Primary School, Cheruvathur		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

5. MPCS Site Location: Government Upper Primary School, Neerchal		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KNR/ KAN/KANNUR-1-3	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kannur	
Taluk	Kannur	
Village	Kannur-1	
Panchayath/Municipal Corporation	Kannur Corporation	
Survey Number	Ward 6, Block 6, Survey number: T.S 327	
Latitude	11° 51' 31.5"N	
Longitude	75° 23' 9.8"E	
Mean Sea Level	25 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction of MPCS	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Less than 400 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land, School ground	
Approach roads		
Road name	Neerchal School road- Kannur city road	
Existing road	ROW: 6 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

5. MPCS Site Location: Government Upper Primary School, Neerchal		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Outside CRZ (300 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 400 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 400 SQ.M of land under ownership of Education Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

5. MPCs Site Location: Government Upper Primary School, Neerchal		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

6. MPCS Site Location: Government Higher Secondary School, Muzhupilangad		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KNR/KAN/MUZHUPILANGAD-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kannur	
Taluk	Kannur	
Village	Muzhupilangad	
Panchayath/Municipal Corporation	Muzhupilangad Gramapanchayath	
Survey Number	Survey number: 105/9	
Latitude	11° 47' 55.2"N	
Longitude	75° 27' 23.4"E	
Mean Sea Level	35 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available for construction	
c. Forest Land	Nil	
Existing Land use	School ground	
Approach roads		
Road name	Muzupilangad road	
Existing road	ROW: 6 m	
Proposed road	No approach road proposed.	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

6. MPCS Site Location: Government Higher Secondary School, Muzhupilangad		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1.4 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

6. MPCS Site Location: Government Higher Secondary School, Muzhupilangad		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

7. MPCS Site Location: Revenue land, Thalassery		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KNR/THA/THALASSERY-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kannur	
Taluk	Thalassery	
Village	Thalassery	
Panchayath/Municipal Corporation	Thalassery Municipal Corporation	
Survey Number	Ward no: 5, Block 7, T.S:112	
Latitude	11° 45' 10.2"N	
Longitude	75° 29' 6.6"E	
Mean Sea Level	15 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction of MPCS	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available for construction of MPCS	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	National Highway	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

7. MPCS Site Location: Revenue land, Thalassery		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	700m east to railway line
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Outside CRZ (150 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Adequate area is not available for construction of MPCS		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Yes	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	-	Less than 400 SQ.M of area is only available for construction.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

7. MPCS Site Location: Revenue land, Thalassery		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

8. MPCS Site Location: Revenue land, Thalassery		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KNR/THA/THALASSERY-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kannur	
Taluk	Thalassery	
Village	Thalassery	
Panchayath/Municipal Corporation	Thalassery Municipal Corporation	
Survey Number	Ward no 5, Block 10, T.S 169/1	
Latitude	11° 44' 57.2"N	
Longitude	75° 29' 9.6"E	
Mean Sea Level	17 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	900 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	500 SQ.M	
c. Forest Land	Nil	
Existing Land use	-	
Approach roads		
Road name	National Highway	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

8. MPCS Site Location: Revenue land, Thalassery		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	Yes	Thalassery Kotta is within a distance of 150m from the site.
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Within CRZ (200 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Yes	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

8. MPCS Site Location: Revenue land, Thalassery		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

9. MPCS Site Location: Revenue land, Thalassery		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KNR/THA/THALASSERY-3	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kannur	
Taluk	Thalassery	
Village	Thalassery	
Panchayath/Municipal Corporation	Thalassery Municipal Corporation	
Survey Number	Ward no 5, Block 10, T.S 172/2A	
Latitude	11° 44' 58.4"N	
Longitude	75° 29' 10.7"E	
Mean Sea Level	17 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	900 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	500 SQ.M	
c. Forest Land	Nil	
Existing Land use	-	
Approach roads		
Road name	National Highway	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

9. MPCS Site Location: Revenue land, Thalassery		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	Yes	Thalassery Kotta is within a distance of 150m from the site.
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Within CRZ (200 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Yes	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

9. MPCS Site Location: Revenue land, Thalassery		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

10.MPCS Site Location: Revenue land, Azhikode South		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KNR/KAN/AZHICODE SOUTH-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kannur	
Taluk	Kannur	
Village	Azhikode South	
Panchayath/Municipal Corporation	Azhikode Panchayath	
Survey Number	Survey number: 567/3	
Latitude	11° 54' 26.8" N	
Longitude	75° 19' 32.8"E	
Mean Sea Level	17 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	900 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	500 SQ.M	
c. Forest Land	Nil	
Existing Land use		
Approach roads		
Road name	Meenkunnu Azhikode school road	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

10.MPCS Site Location: Revenue land, Azhikode South		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	Yes	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Within CRZ (450 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 900 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Yes	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

10.MPCS Site Location: Revenue land, Azhikode South		
Number of public structures/buildings	Yes	One dilapidated building has to be demolished to facilitate construction of MPCS
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

11.MPCS Site Location: Panchayath land near G.V.H.S.S, Payyoli		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KSD/ KAS/KUDLU-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kozhikode	
Taluk	Quilandy	
Village	Thikkodi	
Panchayath/Municipal Corporation	Thikkodi Gramapanchayath	
Survey Number	Survey number: 82/4C1	
Latitude	11° 3' 15.6" N	
Longitude	75° 37' 32.5"E	
Mean Sea Level	13 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
d. Private Land	Nil	
e. Government Land	500 SQ.M	
f. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	The site is accessible from National highway	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

11.MPCS Site Location: Panchayath land near G.V.H.S.S, Payyoli		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1.5 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is ONLY 500 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Education Department.
Forest Land	No	
2. Does the proposed sub-project activity result in	No	

11.MPCS Site Location: Panchayath land near G.V.H.S.S, Payyoli		
demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

12.MPCS Site Location: Corporation land in Nagaram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KZK/KZK/NAGARAM-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kozhikode	
Taluk	Kozhikode	
Village	Nagaram	
Panchayath/Municipal Corporation	Kozhikode Corporation	
Survey Number	Survey number: T.S 7-12-193	
Latitude	11° 14' 57.2" N	
Longitude	75° 46' 46.7"E	
Mean Sea Level	39 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	700 SQ.M	
c. Forest Land	Nil	
Existing Land use	Dilapidated building exist in the site	
Approach roads		
Road name	Palayam road	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

12.MPCS Site Location: Corporation land in Nagaram		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	Yes	Site shares boundary wall with Mosque
Public water bodies	Yes	A well is located in the site
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (800 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 700 SQ.M of land under ownership of Revenue Department.
Forest Land	No	

12.MPCS Site Location: Corporation land in Nagaram		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

13.MPCS Site Location: Revenue land in Nagaram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KZK/KZK/NAGARAM-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kozhikode	
Taluk	Kozhikode	
Village	Nagaram	
Panchayath/Municipal Corporation	Kozhikode Corporation	
Survey Number	Survey number: T.S 14-3-109	
Latitude	11° 14' 23.1" N	
Longitude	75° 47' 7.1"E	
Mean Sea Level	39 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	500 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Palyam Road	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?	Remarks if any	
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

13.MPCS Site Location: Revenue land in Nagaram		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	Yes	A manned railway crossing and railway line is 80m to the east of the site.
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.

13.MPCS Site Location: Revenue land in Nagaram		
		Disparity in ownership details noted in records.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	Coconut plantation
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

14.MPCS Site Location: Revenue land, Beypore		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KZK/KZK/BEYPORE-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kozhikode	
Taluk	Kozhikode	
Village	Beypore	
Panchayath/Municipal Corporation	Beypore Gramapanchayath	
Survey Number	Survey number: T.S 156	
Latitude	11° 11' 35.8" N	
Longitude	75° 47' 31.3"E	
Mean Sea Level	20 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	900 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Beypore road	
Existing road	ROW: 12 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

14.MPCS Site Location: Revenue land, Beypore		
Is the sub-project located in whole or in part between the HTL and the LTL?	-	The site is in close proximity to the sea (around 50m). The site clearly falls in the non-development zone of CRZ.
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	The site is in close proximity to the sea (around 50m). The site clearly falls in the non-development zone of CRZ
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is only 1500 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	

14.MPCS Site Location: Revenue land, Beypore		
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

15.MPCS Site Location: Government School, Padinjarekkara		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/TIR/ PURATHOOR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Tirur	
Village	Purathoor	
Panchayath/Municipal Corporation	Purathoor Gramapanchayath	
Survey Number	Block 37, Survey number: 232	
Latitude	10° 48' 34.5"N	
Longitude	75° 54' 32.8"E	
Mean Sea Level	30 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	800 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Tippu Sulthan Road	
Existing road	12m ROW	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

15.MPCS Site Location: Government School, Padinjarekkara		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	Site is 3.6 km from railway line
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (3 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1500 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 800 SQ.M of land under ownership of Education Department.
Forest Land	No	

15.MPCS Site Location: Government School, Padinjarekkara		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

16.MPCS Site Location: Government Lower Primary School, Velliri		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/PON/PONANNI NAGARAM-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Ponnani	
Village	Ponnani Nagaram	
Panchayath/Municipal Corporation	Ponnani Municipal Corporation	
Survey Number	Survey number: 107/1, 107/2 B2	
Latitude	10° 47' 2.0"N	
Longitude	75° 55' 55.7"E	
Mean Sea Level	36 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1200 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	600 SQ.M	
c. Forest Land	Nil	
Existing Land use	Dilapidated buildings exists in the site	
Approach roads		
Road name	Veleeri school road	
Existing road	Length 750 m ROW: 3 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	The site is 2-3km from Backwaters
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	

16.MPCS Site Location: Government Lower Primary School, Velliri		
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1.5 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	

16.MPCS Site Location: Government Lower Primary School, Velliri		
Government Land	Yes	Approximately 600 SQ.M of land under ownership of Education Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	Two dilapidated buildings exists in the site which has to be demolished to facilitate construction
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

17.MPCS Site Location: Government Fisheries Lower Primary School, Veliyankode		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/PON/VELIYANKODE-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Ponnani	
Village	Veliyankode	
Panchayath/Municipal Corporation	Ponnani Municipal Corporation	
Survey Number	Survey number: 249/3	
Latitude	10° 43' 11.5"N	
Longitude	75° 56' 36.6"E	
Mean Sea Level	20 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	800 SQ.M	
c. Forest Land	Nil	
Existing Land use	Two dilapidated buildings exists in the site	
Approach roads		
Road name	Padathakayi road	
Existing road	Length 3km Width 12 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

17.MPCS Site Location: Government Fisheries Lower Primary School, Veliyankode		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	Yes	A mosque is located near to the site
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Outside CRZ (0.1 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1500 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 800 SQ.M of land under ownership of Education Department.
Forest Land	No	

17.MPCS Site Location: Government Fisheries Lower Primary School, Veliyankode		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	Two dilapidated buildings exists in the site
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

18.MPCS Site Location: Revenue land near Village Office, Nirmaruthur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/TIR/NIRAMARUTHUR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Tirur	
Village	Nirmaruthur	
Panchayath/Municipal Corporation	-	
Survey Number	Survey number: 246/8	
Latitude	10° 55' 37.3" N	
Longitude	75° 53' 29.9"E	
Mean Sea Level	34 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Less than 300 SQ.M	
c. Forest Land	Nil	
Existing Land use	Village Office Functions in the site	
Approach roads		
Road name	Kaladi Unniyal Road	
Existing road	ROW: 6 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

18.MPCS Site Location: Revenue land near Village Office, Nirmaruthur		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	The site is 2km from railway line
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction of MPCS		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Less than 300SQ.M of land under ownership of Revenue Department. Village Office functions in the site

18.MPCS Site Location: Revenue land near Village Office, Niramaruthur		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	-	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

19.MPCS Site Location: Village Office, Vettom		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/TIR/VETTOM-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Tirur	
Village	Vettom	
Panchayath/Municipal Corporation	Vettom Gramapanchayath	
Survey Number	Survey number: 156/1	
Latitude	10° 52' 32.3" N	
Longitude	75° 54' 44 9"E	
Mean Sea Level	34 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Less than 300 SQ.M area is only available	
c. Forest Land	Nil	
Existing Land use	Village Office functions ns in the site	
Approach roads		
Road name	Tirur-Vettamcheera road	
Existing road	ROW: 6 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

19.MPCS Site Location: Village Office, Vettom		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	Site is 2 km from the site
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (2.3 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Less than 300 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in	No	

19.MPCS Site Location: Village Office, Vettom		
demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

20.MPCS Site Location: Revenue land, Kootayi		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/TIR/MANGALAM-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Tirur	
Village	Mangalam	
Panchayath/Municipal Corporation	Mangalam Gramapanchayath	
Survey Number	Survey number: 16/6B	
Latitude	10° 51' 5.22" N	
Longitude	75° 53' 52.02"E	
Mean Sea Level	35 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	600 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Tippu Sulthan Road	
Existing road	ROW: 12 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

20.MPCS Site Location: Revenue land, Kootayi		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Within CRZ (0.9 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 600 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in		
	No	

20.MPCS Site Location: Revenue land, Kootayi		
demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	Yes	Coconut plantation
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

21.MPCS Site Location: Tsunami Shelter, Ponnani		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/MAL/PON/PONNANI NAGARAM-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Malappuram	
Taluk	Ponnani	
Village	Ponnani Nagaram	
Panchayath/Municipal Corporation	Ponnani Municipal Corporation	
Survey Number	Survey number: 1/145	
Latitude	12° 32' 25.9"N	
Longitude	74° 59' 38.3"E	
Mean Sea Level	50 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1300 SQ.M	
c. Forest Land	Nil	
Existing Land use	Tsunami Disaster Shelter functions in the site	
Approach roads		
Road name	Hillarpalli road	
Existing road	Length 600m ROW 8 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

21.MPCS Site Location: Tsunami Shelter, Ponnani		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Within CRZ (0.15 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Tsunami disaster shelter functions in the site.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	

21.MPCS Site Location: Tsunami Shelter, Ponnani		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	Yes	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

22.MPCS Site Location: Kadappuram, Thrissur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TSR/ CHVD/KADAPPURAM-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Thrissur	
Taluk	Thrissur	
Village	Kadappuram	
Panchayath/Municipal Corporation	Kadappuram Gramapanchayath	
Survey Number	Survey number: 116	
Latitude	10° 32' 11.5"N	
Longitude	76° 1' 39.1"E	
Mean Sea Level	20 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1800 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M	
c. Forest Land	Nil	
Existing Land use	Dilapidated shelters	
Approach roads		
Road name	Monnamkallu-Anjangadi road	
Existing road	ROW: 9 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

22.MPCS Site Location: Kadappuram, Thrissur		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Site is at a distance of 350m from HTL
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		Yes
Environmental clearance		Not applicable
Forest clearance		Not applicable
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Approximately 1000 SQ.M of land under ownership of Revenue Department.

22.MPCS Site Location: Kadappuram, Thrissur		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	2 (Two)	Two dilapidated shelters exists in the site which has to be demolished to facilitate construction.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

23.MPCS Site Location: Eriyad, Kodungalloor		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TSR/KOD/ERIYAD-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Thrissur	
Taluk	Kodungalloor	
Village	Eriyad	
Panchayath/Municipal Corporation	Eriyad Gramapanchayath	
Survey Number	Survey number: 670/1	
Latitude	10°11'19.90"N	
Longitude	76° 9'38.40"E	
Mean Sea Level	20 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No area available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available for construction	
c. Forest Land	Nil	
Existing Land use	Shelter functions in the site	
Approach roads		
Road name	Puthenpalli-Munakkal beach road	
Existing road	ROW: 4 m	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

23.MPCS Site Location: Eriyad, Kodungalloor		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Site is at a distance of 0.80 km from HTL
PART C2: Proximity to Environmentally Sensitive areas:		
No area available for construction since one shelter is already functioning in the site		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Yes	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	No area available for construction as a shelter is already function in the site
Forest Land	No	
2. Does the proposed sub-project activity result in	-	A shelter is already function in the site

23.MPCS Site Location: Eriyad, Kodungalloor		
demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

24.MPCS Site Location: Fisheries School, Vadanappally, Thrissur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TSR/CHVD/VADANAPALLY-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Thrissur	
Taluk	Chavakkad	
Village	Vadanappally	
Panchayath/Municipal Corporation	Vadanappally Gramapanchayath	
Survey Number	Survey number: 152/1B	
Latitude	10°27'51.3"N	
Longitude	76° 4'10.3"E	
Mean Sea Level	30 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	-	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
d. Private Land	Nil	
e. Government Land	Less than 500 SQ.M	
f. Forest Land	Nil	
Existing Land use	School ground	
Approach roads		
Road name	Vadanappally beach road	
Existing road	Length 2.5 km and 4m ROW	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

24.MPCS Site Location: Fisheries School, Vadanapally, Thrissur		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Within CRZ (0.64 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Yes	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	-	Less than 500 SQ.M of land is only available. The school will lose Playground area
Forest Land	No	

24.MPCS Site Location: Fisheries School, Vadanapally, Thrissur		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

25.MPCS Site Location: TRP Shelter, Kadappuram, Thrissur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TSR/ CHVD/KADAPPURAM-3	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Thrissur	
Taluk	Chavakkad	
Village	Kadappuram	
Panchayath/Municipal Corporation	Kadappuram Gramapanchayath	
Survey Number	Survey number: 86/2	
Latitude	10° 33' 20.0' N	
Longitude	76° 01' 16.9"E	
Mean Sea Level	21 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area		
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available for construction of MPCS	
c. Forest Land	Nil	
Existing Land use	TRP Shelter exists in the site	
Approach roads		
Road name	Tsunami Light House road o	
Existing road	1km length and 10m ROW	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

25.MPCS Site Location: TRP Shelter, Kadappuram, Thrissur		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (0.5 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
No area available for construction. Recently built TRP shelter exists in the site.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		Not applicable
Environmental clearance		Not applicable
Forest clearance		Not applicable
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	No area available for construction as a shelter already exists in the site.
Forest Land	No	
2. Does the proposed sub-project activity result in	No	

25.MPCS Site Location: TRP Shelter, Kadappuram, Thrissur		
demolition/removal of existing structures?		
Number of public structures/buildings	-	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

26.MPCS Site Location: Edakazhiyoor, Thrissur		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TSR/ CHVD/EDAKAZHIYOOR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Thrissur	
Taluk	Chavakkad	
Village	Edakazhiyoor	
Panchayath/Municipal Corporation	Edakazhiyoor Gramapanchayath	
Survey Number	Survey number: 132/1	
Latitude	10° 37' 16.4"N	
Longitude	75° 59' 46.8" E	
Mean Sea Level	22 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Less than 500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Less than 500 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	National Highway	
Existing road	The site is directly accessible from NH	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?	Remarks if any	
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

26.MPCS Site Location: Edakazhiyoor, Thrissur		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1.3 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Less than 500 SQ.M land is only available which is inadequate for construction MPCs.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in	No	

26.MPCS Site Location: Edakazhiyoor, Thrissur		
demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

27.MPCS Site Location: School ground, Edavanakad		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/EKM/KOC/ EDAVANAKKAD-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Ernakulam	
Taluk	Kochi	
Village	Edavanakkad	
Panchayath/Municipal Corporation	Edavanakkad Gramapanchayath	
Survey Number	Survey number: 237/1 (B4)	
Latitude	10° 05' 03.6"N	
Longitude	76° 12' 35.3"E	
Mean Sea Level	15 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area		
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available for construction	
c. Forest Land	Nil	
Existing Land use	School ground	
Approach roads		
Road name	Panchayath roads	
Existing road	ROW: 6 m	
Proposed road	No approach road proposed.	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

27.MPCS Site Location: School ground, Edavanakad		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (4 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Adequate area for construction of MPCS is not available		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		Not applicable
Environmental clearance		Not applicable
Forest clearance		Not applicable
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	-	A shelter in good working condition exists in the site and hence there is no need for construction of MPCS
Forest Land	No	
2. Does the proposed sub-project activity result in	No	

27.MPCS Site Location: School ground, Edavanakad		
demolition/removal of existing structures?		
Number of public structures/buildings	-	A shelter in good working condition exists in the area demarcated for MPCS.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

28.MPCS Site Location: Chavara, Kollam		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KLM/KAR/CHAVARA-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kollam	
Taluk	Kasrunagappally	
Village	Chavara	
Panchayath/Municipal Corporation	Chavara Gramapanchayath	
Survey Number	Block: 19, Survey number: 392/1	
Latitude	8° 59' 2.3" N	
Longitude	76° 32' 5.6" E	
Mean Sea Level	20 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Adequate area is not available for construction of MPCS	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Less than 500 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	National Highway	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	Water logged area

28.MPCS Site Location: Chavara, Kollam		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction of MPCS		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	Yes	Less than 400 SQ.M of area is only available for construction

28.MPCS Site Location: Chavara, Kollam		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

29. MPCS Site Location: Revenue land, Chavara, Kollam		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KLM/KAR/CHAVRA-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kollam	
Taluk	Kasrunagappally	
Village	Chavara	
Panchayath/Municipal Corporation	Chavara Gramapanchayath	
Survey Number	Block: 19, Survey number: 103/15	
Latitude	8° 58' 39.8"N	
Longitude	76° 32' 4.2"E	
Mean Sea Level	25 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Exact boundary of site is not known	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Exact boundary of site is not known	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	National Highway	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

29. MPCS Site Location: Revenue land, Chavara, Kollam		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (1 km from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Exact boundary of site is known		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?		Remarks if any
Private Land	No	
Government Land	-	Exact boundary of site is not known
Forest Land	No	
2. Does the proposed sub-project activity result in	No	

29. MPCS Site Location: Revenue land, Chavara, Kollam		
demolition/removal of existing structures?		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

30. MPCS Site Location: Sakthikulangara, Kollam		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KSD/ KAS/KUDLU-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Kollam	
Village	Sakthikulangara	
Panchayath/Municipal Corporation	Kollam Corporation	
Survey Number	Block 1, Survey number: 1/1, 2	
Latitude	8° 55' 53.69"N	
Longitude	76° 32' 24.94"E	
Mean Sea Level	10 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Less than 400 SQ.M of land is only available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
g. Private Land	Nil	
h. Government Land	400 SQ.M	
i. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Sakthikulanagra Port Road	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

30. MPCS Site Location: Sakthikulangara, Kollam		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	Yes	100m from the HTL and is bound by sea wall on the west side and has the breakwater to its north. The site is in inundation area
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	-	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is 100m from the HTL and is bound by sea wall on the west side and has the breakwater to its north.
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction of MPCS		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		

30. MPCS Site Location: Sakthikulangara, Kollam		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	-	Less than 400 SQ.M of land is only available for construction
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	

30. MPCS Site Location: Sakthikulangara, Kollam**Details of Screening Exercise**

Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

31.MPCS Site Location: Chavara Taluk hospital, Neendakara		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KLM/KAR/NEENDAKA RA-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kollam	
Taluk	Karunagappally	
Village	Neendakara	
Panchayath/Municipal Corporation	Neendakara Gramapanchayath	
Survey Number	Block 22, Survey number: 105/6	
Latitude	8° 57' 30.460'N	
Longitude	76° 31' 56.846"E	
Mean Sea Level	24 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Only 405 SQ.M of land is available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Only 405 SQ.M of land is available for construction	
c. Forest Land	Nil	
Existing Land use	Dilapidated Buildings	
Approach roads		
Road name	National Highway	
Existing road	The site is directly accessible from NH	
Proposed road	No approach road proposed.	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	

31.MPCS Site Location: Chavara Taluk hospital, Neendakara		
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	Yes	The site is under NDZ of CRZ III (Nearly 90 m from HTL)
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	-	The site falls in tsunami inundation area
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is under NDZ of CRZ III (Nearly 90 m from HTL)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as adequate area is not available for construction		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	

31.MPCS Site Location: Chavara Taluk hospital, Neendakara		
Private Land	No	
Government Land	Yes	Less than 400 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	3 (Three)	The land is occupied by three dilapidated buildings, constructed under the Norwegian Government funded project.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise Outcome		

31.MPCS Site Location: Chavara Taluk hospital, Neendakara	
Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No
Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

32.MPCS Site Location: Old Dilapidated building, Alappadu	
Part A: General Information about the sub-project	
Sub Project id	NCRMP/KER/KLM/KAR/ALAPPADU-1
Type of proposed sub-project activity	MPCS
Location of the sub project activity	
State	Kerala
District	Kollam
Taluk	Karunagappally
Village	Alappadu
Panchayath/Municipal Corporation	Alappadu Gramapanchayath
Survey Number	Block 7, Survey number: 61/8
Latitude	9° 04' 05.260"N
Longitude	76° 29' 44.929" E
Mean Sea Level	15 m
Size of the sub-project	
Cyclone Shelter – approx. built up area	Site not suitable for construction of MPCS
Land requirement for the sub project (in Ha or m²)	
Total Requirement	
d. Private Land	Nil
e. Government Land	500 SQ.M
f. Forest Land	Nil
Existing Land use	Barren land
Approach roads	
Road name	Panchayath roads
Existing road	ROW: 4m
Proposed road	No approach road proposed
Boundary wall requirement	No
Part B: Ascertaining whether the site is a prohibited site	
PART B1: List of sites where sub-projects are prohibited	
Is the sub-project located in whole or within any of the following environmentally sensitive area?	Remarks if any

32.MPCS Site Location: Old Dilapidated building, Alappadu		
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	-	The site is surrounded by backwaters.
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	The site is Under NDZ of CRZ III. (Nearly 90 m from HTL and 110 m from Canal, near to Alappad centre bus Station)
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	The site is in close proximity to backwaters
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site falls in the floodplain of Kayamkulam kayal and is in the storm surge region.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	

32.MPCS Site Location: Old Dilapidated building, Alappadu		
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is Under NDZ of CRZ III. (Nearly 90 m from HTL and 110 m from Canal, near to Alappad centre bus Station)
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the site is not suitable for construction of MPCS.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	500 SQ.M of land under ownership of Health Department.
Forest Land	No	

32.MPCS Site Location: Old Dilapidated building, Alappadu		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	A dilapidated building that belongs to health department exists in the site
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

33.MPCS Site Location: Old Dilapidated building, Alappadu		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KLM/KAR/ALAPPADU-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Karunagappally	
Village	Alappadu	
Panchayath/Municipal Corporation	Alappadu Gramapanchayath	
Survey Number	Block 1, Survey number: 10/10	
Latitude	9° 04' 05.260"N	
Longitude	76° 29' 44.929" E	
Mean Sea Level	11 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Site is not suitable for construction of MPCS	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
d. Private Land	Nil	
e. Government Land	500 SQ.M	
f. Forest Land	Nil	
Existing Land use	Pump House exists in the site	
Approach roads		
Road name	Panchayath roads	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	Yes	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

33.MPCS Site Location: Old Dilapidated building, Alappadu		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	The site is within 50m setback area backwaters under CRZ notification
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is in Tsunami inundation area. The site is in the floodplain of Kayamkulam kayal and in the storm surge region of Alappad Village.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	A pond exists near to the site
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is within 50m setback area backwaters under CRZ notification
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		

33.MPCS Site Location: Old Dilapidated building, Alappadu		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect	No	

33.MPCS Site Location: Old Dilapidated building, Alappadu		
scheduled tribe/ caste communities?		
Part D (2): Result/Outcome of Social Screening Exercise Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

34.MPCS Site Location: Old Dilapidated building, Alappadu		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KLM/KAR/ALAPPADU-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Karunagappally	
Village	Alappadu	
Panchayath/Municipal Corporation	Alappadu Gramapanchayath	
Survey Number	Block 1, Survey number: 10/10	
Latitude	9° 04' 05.260"N	
Longitude	76° 29' 44.929" E	
Mean Sea Level	11 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Site is not suitable for construction of MPCS	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
g. Private Land	Nil	
h. Government Land	500 SQ.M	
i. Forest Land	Nil	
Existing Land use	Pump House exists in the site	
Approach roads		
Road name	Panchayath roads	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	Yes	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

34.MPCS Site Location: Old Dilapidated building, Alappadu		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	The site is within 50m setback area backwaters under CRZ notification
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is in Tsunami inundation area. The site is in the floodplain of Kayamkulam kayal and in the storm surge region of Alappad Village.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	A pond exists near to the site
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is within 50m setback area backwaters under CRZ notification
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		

34.MPCS Site Location: Old Dilapidated building, Alappadu		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect	No	

34.MPCS Site Location: Old Dilapidated building, Alappadu		
scheduled tribe/ caste communities?		
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala	

35. MPCS Site location: Revenue land, Ottoor		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/VAR/OTTOR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Varkala	
Village	Ottor	
Panchayath/Municipal Corporation	Ottor Panchayath	
Survey Number	Block: 19. Survey Number: 4/1	
Latitude	8°45'6.0"N	
Longitude	76°46'10.8"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M of land under the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Uninhabited hilly terrain	
Approach roads		
Road name	A tarred approach road from Varkala-Kallambalam main road to site.	
Existing road	Length: 100m ROW: 4m	
Proposed road	No approach road proposed	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

35. MPCS Site location: Revenue land, Ottoor		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	Yes	One water well exist near the site
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Government Land	Approximately 1000 SQ.M of land under ownership of Revenue Department.	
Forest Land	No	

35. MPCS Site location: Revenue land, Ottoor	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No
Number of public structures/buildings	No
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	Yes. One well exists near the proposed site
Number of private structures (located on private or public land)	No
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No
Part D (2): Result/Outcome of Social Screening Exercise	
Outcome	
Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No
Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

36.MPCS at Chirayinkeezh, Thiruvananthapuram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/CHI/1	
Type of proposed sub-project activity	MPCS and approach roads	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Sarkara Chirayinkeezh	
Panchayath/Municipal Corporation	Chirayinkeezh Panchayath	
Survey Number	Block 12, Survey no: 726/7 and 10	
Latitude	8°39'53.2"N	
Longitude	76°47'11.3"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	600 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	600 SQ.M of land in the ownership of Education Department	
c. Forest Land	Nil	
Existing Land use	A dilapidated shelter exists in the site	
Approach roads		
Road name	Padanilom School road	
Existing road	-	
Proposed road	No Approach roads proposed	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

36.MPCS at Chirayinkeezh, Thiruvananthapuram		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is only 600 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		Remarks if any
CRZ clearance	No	
Environmental clearance	No	
Forest clearance	No	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Govt. Revenue Land	Yes	600 SQ.M of land in ownership of Education Department.

36.MPCS at Chirayinkeezh, Thiruvananthapuram		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	2 (Two)	[One dilapidated Anti Disaster shelter and one lavatory building has to be demolished to facilitate construction in the proposed site]
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

37.MPCS at Azhoor, Thiruvananthapuram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/AZHOOR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Azhoor	
Panchayath/Municipal Corporation		
Survey Number	Block: 14, Survey number: 439/1	
Latitude	8°37'54.3"N	
Longitude	76°49'55.8"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M of land in the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Untarred approach roads from Main road	
Existing road		
Proposed road	No Approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

37.MPCS at Azhoor, Thiruvananthapuram		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (the site is 3km from coastline)
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is less than 500 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	No	
EIA	No	
Forest clearance	No	
Social Forestry	Yes [Clearance required from Social Forestry Department for cutting trees, The Kerala Preservation of Trees act, 1986]	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Government Land	600 SQ.M of land in ownership of Revenue Department	

37.MPCS at Azhoor, Thiruvananthapuram		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	1 (One)	[(Anti disaster shelter constructed under European economic Community project)
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

38.MPCS Site Location: Old Dilapidated building, Alappadu		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/KLM/KAR/ALAPPADU-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Kasargod	
Taluk	Karunagappally	
Village	Alappadu	
Panchayath/Municipal Corporation	Alappadu Gramapanchayath	
Survey Number	Block 1, Survey number: 10/10	
Latitude	9° 04' 05.260"N	
Longitude	76° 29' 44.929" E	
Mean Sea Level	11 m	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Site is not suitable for construction of MPCS	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
j. Private Land	Nil	
k. Government Land	500 SQ.M	
l. Forest Land	Nil	
Existing Land use	Pump House exists in the site	
Approach roads		
Road name	Panchayath roads	
Existing road	-	
Proposed road	No approach road proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	Yes	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	The site is within 50m setback area backwaters under CRZ notification
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	The site is in Tsunami inundation area. The site is in the floodplain of Kayamkulam kayal and in the storm surge region of Alappad Village.
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	A pond exists near to the site
PART C: Environmental Screening Forms		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is within 50m setback area backwaters under CRZ notification
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1300 SQ.M.		
PART C3: Environmental screening – outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	

Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1.Does the proposed sub-project activity require any land?	Remarks if any	
Private Land	No	
Government Land	Yes	Approximately 500 SQ.M of land under ownership of Revenue Department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise Outcome		

Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No
Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit, NCRMP-Kerala

39. MPCS Site location: Revenue land, Ottoor		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/VAR/OTTOR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Varkala	
Village	Ottoor	
Panchayath/Municipal Corporation	Ottoor Panchayath	
Survey Number	Block: 19. Survey Number: 4/1	
Latitude	8°45'6.0"N	
Longitude	76°46'10.8"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M of land under the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Uninhabited hilly terrain	
Approach roads		
Road name	A tarred approach road from Varkala-Kallambalam main road to site.	
Existing road	Length: 100m ROW: 4m	
Proposed road	No approach road proposed	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or within any of the following environmentally sensitive area?		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	

39. MPCS Site location: Revenue land, Ottoor		
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	Yes	One water well exist near the site
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	
PART C2: Proximity to Environmentally Sensitive areas:		
Not applicable as the construction area is less than 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	Not applicable	
Environmental clearance	Not applicable	
Forest clearance	Not applicable	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Government Land	Approximately 1000 SQ.M of land under ownership of Revenue Department.	
Forest Land	No	

39. MPCS Site location: Revenue land, Ottoor	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No
Number of public structures/buildings	No
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	Yes. One well exists near the proposed site
Number of private structures (located on private or public land)	No
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which nearby residents/local population are dependent for fuel wood/grazing etc.?	No
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No
Part D (2): Result/Outcome of Social Screening Exercise	
Outcome	
Social Impact Assessment is required	No
Abbreviated RAP is required	No
Full RAP is required	No
Details of Screening Exercise	
Name	Mary Midhula Maxy
Designation	Environmental and Social Specialist, State Project Implementation Unit

40.MPCS at Chirayinkeezh, Thiruvananthapuram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/CHI/1	
Type of proposed sub-project activity	MPCS and approach roads	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Sarkara Chirayinkeezh	
Panchayath/Municipal Corporation	Chirayinkeezh Panchayath	
Survey Number	Block 12, Survey no: 726/7 and 10	
Latitude	8°39'53.2"N	
Longitude	76°47'11.3"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	600 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	600 SQ.M of land in the ownership of Education Department	
c. Forest Land	Nil	
Existing Land use	A dilapidated shelter exists in the site	
Approach roads		
Road name	Padanilom School road	
Existing road	-	
Proposed road	No Approach roads proposed	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub	projects are prohibited	
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:	Remarks if any	
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

40.MPCS at Chirayinkeezh, Thiruvananthapuram		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?		No
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is only 600 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		Remarks if any
CRZ clearance	No	
Environmental clearance	No	
Forest clearance	No	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Govt. Revenue Land	Yes	600 SQ.M of land in ownership of Education Department.

40.MPCS at Chirayinkeezh, Thiruvananthapuram		
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	2 (Two)	[One dilapidated Anti Disaster shelter and one lavatory building has to be demolished to facilitate construction in the proposed site]
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

41. MPCS at Gandhi Smarakam Land, Azhoor		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/AZH/2/2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Azhoor	
Panchayath/Municipal Corporation		
Survey Number	Block:14 Survey number: 214/5,6,7,9,	
Latitude	8°38'30.1"N	
Longitude	76°49'23.4"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M of land in the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Unused land	
Approach roads		
Road name	Sasthavattom road	
Existing road	-	
Approach road	No approach road proposed	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

41. MPCS at Gandhi Smarakam Land, Azhoor		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (The site is 5 km from coastline)
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	No	
EIA	No	
Forest clearance	No	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Govt. Revenue Land	Yes	1000 SQ.M of land in the ownership of Revenue department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	

41. MPCS at Gandhi Smarakam Land, Azhoor		
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by Residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

42.MPCS at Azhoor, Thiruvananthapuram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/AZHOOR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Azhoor	
Panchayath/Municipal Corporation		
Survey Number	Block: 14, Survey number: 439/1	
Latitude	8°37'54.3"N	
Longitude	76°49'55.8"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M of land in the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Untarred approach roads from Main road	
Existing road		
Proposed road	No Approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

42.MPCS at Azhoor, Thiruvananthapuram		
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (the site is 3km from coastline)
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is less than 500 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance	No	
EIA	No	
Forest clearance	No	
Social Forestry	Yes [Clearance required from Social Forestry Department for cutting trees, The Kerala Preservation of Trees act, 1986]	
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Government Land	600 SQ.M of land in ownership of Revenue Department	
Forest Land	No	

42.MPCS at Azhoor, Thiruvananthapuram		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?		
Number of public structures/buildings	1 (One)	[(Anti disaster shelter constructed under European economic Community project)
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

43. MPCS at Gandhi Smarakam Land, Azhoor		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/AZH/2/2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Azhoor	
Panchayath/Municipal Corporation		
Survey Number	Block:14 Survey number: 214/5,6,7,9,	
Latitude	8°38'30.1"N	
Longitude	76°49'23.4"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	1000 SQ.M of land in the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Unused land	
Approach roads		
Road name	Sasthavattom road	
Existing road	-	
Approach road	No approach road proposed	
Boundary wall requirement	Yes	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

43. MPCS at Gandhi Smarakam Land, Azhoor		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
Is the sub-project located in whole or in within 1km radius of:		
Historic places that are regionally or locally important	No	
Reservoirs/Dams	No	
Religious Places	No	
Public water bodies	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (The site is 5 km from coastline)
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		No
EIA		No
Forest clearance		No
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land	No	
Govt. Revenue Land	Yes	1000 SQ.M of land in the ownership of Revenue department.
Forest Land	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	Yes	
Number of public structures/buildings	No	

43. MPCS at Gandhi Smarakam Land, Azhoor		
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by Residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No

44. MPCS at Muttathara, Survey School land		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/THI/MUTTATHARA-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Thiruvananthapuram	
Village	Muttathara	
Panchayath/Municipal Corporation	Trivandrum Corporation	
Survey Number	Not available	
Latitude	8° 27' 56.4"N	
Longitude	76° 55' 49.9"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1000 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	600 SQ.M of land in the ownership of Revenue Department	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Valiyathura-Sewage farm road	
Existing road		
Proposed road	No approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	Yes	The site is designated wetland area
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	

44. MPCS at Muttathara, Survey School land		
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Outside CRZ (The site is 590m from HTL)
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the construction area is only 1000 SQ.M.		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		No
EIA		No
Forest clearance		No
Kerala wetland clearance		Yes
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	Yes	600 SQ.M of land in ownership of Revenue Department
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	

44. MPCS at Muttathara, Survey School land		
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

45. MPCS at Tsunami Colony, Chirayinkeezh		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/CHI/CHIRAYINKEEZH 2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Chirayinkeezh	
Village	Chirayinkeezh-Sarkara	
Panchayath/Municipal Corporation	Chirayinkeezh Panchayath	
Survey Number	Block: 12, Survey no: 725/7 and 10	
Latitude	8°38'38.65"N	
Longitude	76°46'58.52"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Site not suitable for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No area available for construction	
c. Forest Land	Nil	
Existing Land use	Tsunami shelter exists in the site	
Approach roads		
Road name	Tsunami colony road	
Existing road	-	
Proposed road	No approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	Yes	Site is within 50m setback area of

45. MPCS at Tsunami Colony, Chirayinkeezh		
		backwaters and is in CRZ III category
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	Site is within 50m setback area of backwaters and is in CRZ III category
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as the site is not suitable for construction		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		No
EIA		No
Forest clearance		No
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	-	Site is not suitable for construction
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/drinking water/wells/etc)	No	A Tsunami shelter exists in close proximity to the site
Number of private structures	No	

45. MPCS at Tsunami Colony, Chirayinkeezh		
(located on private or public land)		
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

46. MPCS at Kulathur, Thiruvananthapuram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/NEY/KULATHUR-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Neyyatinkara	
Village	Kulathur	
Panchayath/Municipal Corporation	Kulathur Panchayath	
Survey Number	Survey number: 286/21,53	
Latitude	8°18' 21.4"N	
Longitude	77°05' 28.5"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	No are available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	No are available for construction	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Tsunami colony road	
Existing road	-	
Proposed road	No approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

46. MPCS at Kulathur, Thiruvananthapuram		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	No	Site is 700m from coastline
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as adequate area is not available for construction		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		No
EIA		No
Forest clearance		No
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	-	Site is not suitable for construction
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/drinking water/wells/etc)	No	A Tsunami shelter exists in close proximity to the site
Number of private structures (located on private or public land)	No	

46. MPCS at Kulathur, Thiruvananthapuram		
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

47. MPCS at Harbour premises, Vizhinjam		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/NEY/VIZHINJAM-1	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Neyyatinkara	
Village	Vizhinjam	
Panchayath/Municipal Corporation	Vizhinjam Panchayath	
Survey Number	Block: 12, Survey no: 77/12, 77/11	
Latitude	8°22'45.5"N	
Longitude	76°59'22.9"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	1500 SQ.M	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	900 SQ.M	
c. Forest Land	Nil	
Existing Land use	Barren land	
Approach roads		
Road name	Vizhinjam Harbour road	
Existing road	-	
Proposed road	No approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	

47. MPCS at Harbour premises, Vizhinjam		
Is the sub-project located in whole or in part between the HTL and the LTL?	Yes	Site is within 200m from HTL and falls in CRZ II category
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or in part within the Coastal Regulation Zone?	Yes	Site is within 200m from HTL and falls in CRZ II category
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as construction area is only 900 SQ.M		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		No
EIA		No
Forest clearance		No
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	Yes	900 SQ.M of land in ownership of Harbour Engineering department
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	

47. MPCS at Harbour premises, Vizhinjam		
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	Mosque and church exists within 1km radius from the site.
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required	No	
Abbreviated RAP is required	No	
Full RAP is required	No	
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

48.MPCS at Vizhinjam, Thiruvananthapuram		
Part A: General Information about the sub-project		
Sub Project id	NCRMP/KER/TVM/NEY/VIZHINJAM-2	
Type of proposed sub-project activity	MPCS	
Location of the sub project activity		
State	Kerala	
District	Trivandrum	
Taluk	Neyyatinkara	
Village	Vizhinjam	
Panchayath/Municipal Corporation	Vizhinjam Panchayath	
Survey Number	Block: 14, Survey no:169	
Latitude	8°22'57.66"N	
Longitude	76°59'34.20"E	
Size of the sub-project		
Cyclone Shelter – approx. built up area	Area not available for construction	
Land requirement for the sub project (in Ha or m²)		
Total Requirement		
a. Private Land	Nil	
b. Government Land	Area not available for construction	
c. Forest Land	Nil	
Existing Land use	Training centres functions in the site	
Approach roads		
Road name	Coastal Police Station road	
Existing road	-	
Proposed road	No approach roads proposed	
Boundary wall requirement	No	
Part B: Ascertaining whether the site is a prohibited site		
PART B1: List of sites where sub-projects are prohibited		
Is the sub-project located in whole or in part of any of the following environmentally sensitive areas:		Remarks if any
Biosphere reserve	No	
National Park	No	
Wildlife/Bird sanctuary	No	
Game reserve	No	
Tiger reserve/elephant reserve	No	
Wetland	No	
Important bird areas	No	
Coastal area with corals	No	
Mangrove area	No	
Estuary with mangroves	No	
Turtle nesting grounds	No	
Swamps/mudflats	No	
Notified sensitive eco zone	No	
Is the sub-project located in whole or in part between the HTL and the LTL?	No	

48.MPCS at Vizhinjam, Thiruvananthapuram		
Is the sub-project located in whole or in part 200 metres from an estuary boundary?	No	
Is the sub-project located in whole or in part 500 meters from flood plain or modified flood plain or by flood control systems of a riverine system?	No	
Is the sub-project located in whole or in part 500 meters from railway line?	No	
Is the sub-project located in whole or in part within 100 meters from the protected limits of notified archaeological sites or monuments?	No	
PART C: Environmental Screening Form		
PART C1: Proximity to Coastal Regulatory Zone:		
Is the sub-project located in whole or part within the Coastal Regulation Zone?	Yes	The site is 500m from HTL
PART C2: Proximity to environmentally sensitive areas:		
Not applicable as adequate area is not available for construction		
PART C3: Environmental screening – outcome		
Screening outcome		
Based on the updating of the screening results, the following clearances are required		
CRZ clearance		No
EIA		No
Forest clearance		No
Kerala wetland clearance		Yes
PART D: Social Screening		
PART D1: Identification of potential social concerns		
1. Does the proposed sub-project activity require any land?	Yes	
Private Land (SQ.M)	No	
Govt. Revenue Land (SQ.M)	-	Two training centres exists in the site. No area available for construction of MPCS.
Forest Land (SQ.M)	No	
2. Does the proposed sub-project activity result in demolition/removal of existing structures?	No	
Number of public structures/buildings	No	
Number of common property resources (such as religious/cultural/ drinking water/wells/etc)	No	

48.MPCS at Vizhinjam, Thiruvananthapuram		
Number of private structures (located on private or public land)	No	
3. Does the proposed Project activity result in loss of crops/trees which is not Government property?	No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?	No	
5. Does the proposed activity result in loss of mangrove ecosystem/social forest on which near by residents/local population are dependent for fuel wood/grazing etc.?	No	
6. Does the proposed Project activity affect scheduled tribe/ caste communities?	No	
Part D (2): Result/Outcome of Social Screening Exercise		
Outcome		
Social Impact Assessment is required		No
Abbreviated RAP is required		No
Full RAP is required		No
Details of Screening Exercise		
Name	Mary Midhula Maxy	
Designation	Environmental and Social Specialist, State Project Implementation Unit	

12.Format for entering update/revision

Sl no	Date of entry of update/revision	Category update/revision (Design/Legal/ Environment/S ocial/Other)	Detailed description of update/revision	Date of effectiveness of update/revision	Authorised signatory