





CII & CII Foundation Kerala Rehabilitation Initiative

# **PROJECT UPDATE**JUNE 2022

## **BACKGROUND**

Kerala witnessed the most devastating floods that wreaked havoc in the state causing massive damage to both life and livelihoods. Post the immediate relief measures for the victims of the floods, CII and CII Foundation (CIIF), in joint consultation with the State Government of Kerala undertook interventions to supplement the Government's efforts for "Nava Keralam".

Rehabilitation Initiatives were designed to bring about a perceptible change in the lives of people by building ecological and technical safeguards for improved/increased resilience, high standards of quality, thereby improving access to services and outreach to the marginalized sections of the society in the most affected geographies.

Post several discussions and meetings with different Government Departments and Senior officials, support towards education and health was identified as a priority area. A detailed survey and data collection on the damaged schools and health facilities was undertaken in coordination with district administration. The findings were submitted to the National CII Task Force on Kerala Flood Relief and Rehabilitation, Co-Chaired by Mr. Kris Gopalakrishnan, Past President, CII & Dr. Naushad Forbes, Past President, CII. The Task Force approved restoration of public infrastructure for education & health

in the Districts of Ernakulam and Thrissur.

A four Member CII & CIIF Rehabilitation Committee comprising of senior industry members from the region was constituted to provide strategic guidance for rolling out the rehabilitation interventions. The committee approved construction of one school that was declared unfit (Government Lower Primary School (GLPS), Kayanad) and six Public Health Centres (North Paravoor, Moothakunnam, Chittattukara, Puthuvyppu, Mulavukadu, and Avoly) for renovation/construction, with an annual outreach of approximately 5 lakh direct beneficiaries under the initiative.

The Committee also selected/approved The Centre of Science and Technology for Rural Development (COSTFORD) as the implementation partner.

MoUs for the 6 Health Centres and 1 primary school were signed on 20th November 2019.

Field visits, extensive interaction with the community community, local authorities, school & hospital management, design experts, etc., were undertaken for developing and finalizing the designs for the identified interventions.

## **PROJECT OVERVIEW**

	CII & CIIF KE Monthly Prog																			
s/NO	Name of work								%	of F	rog	ress								
3/110	Name of work	5	10 1	5 20	25	30	35	40	45	50	55	60	65 '	70	75	80	85	90	95	100
1	Govt. LPS Kayanad																			
2	Taluk Head Quarters Hospital, Paravoor																			
3	Govt. CHC Moothakunnam																			
4	Govt. PHC Puthuvyppu																			
5	Govt. PHC Chittattukara																			
6	Govt. PHC Mulavukadu																			
7	Govt. PHC Avoly																			

## **GOVERNMENT LOWER PRIMARY SCHOOL, KAYANAD**

Government Lower Primary School, Kayanad, is the only lower primary school in the Marady Panchayat. It was damaged and declared unfit by the Local Self Government Department (LSGD) Engineer. Previously, the school was functioning out of a rented building.

Proposed Interventions:

- Complete reconstruction of the school building.
- 6 classrooms, toilet block and administrative rooms

- on the ground floor. The first floor to have one multipurpose room.
- Additional features barrier-free enabling structures such as ramps, disabled-friendly toilets, biogas plant and wastewater treatment unit.

#### Status:

• Construction completed and handed over to the school.



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No.	Activities						T	otal	pe	rce	nta	ge d	of c	om	plet	tion	1				
		2%	10%	15%	20%	25%	30%	35%	40%	45%	20%	25%	%09	%59	%02	75%	80%	85%	%06	95%	100%
1	Foundations and Plinth beams, etc;																				
2	RCC columns GF																				
3	Brickwork for GF																				
4	Concreting for GF roof slab and beams																				
5	Headrooms, parapets, etc;																				
6	Roof work for stair roof, FF room, etc;																				
7	Woodwork Fabrication of frames																				
8	Pointing / Plastering work																				
9	Slab & celing plastering																				
10	Brick batt flooring /PCC																				
11	Fabrication and fixing of shutters																				
12	Painting and white washing																				
13	Floor finishing and daddoing																				
14	Plumbing and water supply work																				
15	Electrification works																				
16	Landscaping, paving, etc;																				

# TALUK HEADQUARTER HOSPITAL, PARAVOOR

Paravoor Taluk Hospital is one of the major hospitals and the only Government hospital in the Taluk.

It is the only Government maternity hospital in the Taluk.

The objective is to upgrade the health facilities and meet the increasing health requirements in the region.

## Proposed Interventions:

- Construction of Postsurgical ward.
- Construction of Gynecology ward with labour room, operation theater and ward.
- Roof trusswork work above the Operation Theater for the multi-utility area.

## Status:

#### Post-surgical ward:

- At present R.C.C column work is completed of postsurgical ward.
- Masonry work completed truss work fabrication is progressing.

## Gynecology Ward:

- First floor RCC roof slab including stair and ramp works completed.
- Second floor RCC roof slab work completed.
- Plastering work completed.





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No.	Activities						To	otal	per	cer	ntag	ge o	of co	mp	oleti	ion					
Works	completed	2%	%OL	15%	20%	25%	30%	35%	40%	45%	%05	25%	%09	%59	%02	75%	80%	85%	%06	%56	100%
ı	Post Operative Ward																				
1	Demolition of dummy columns, parapets etc;																				
2	RCC columns																				
3	Erection of roof truss at site																				
II	Gynecology Block																				
1	Demolition of dummy columns, parapets, etc;																				
2	RCC columns FF																				
3	RCC for staircase ,ramp etc;																				
4	Concreting for FF roof slab and Beams																				
5	Concreting for SF roof slab and Beams																				·
6	RCC columns TF																				
7	Joinery Fabrication and fixing																				
8	Masonary work for FF																				
9	Masonary work for SF																				
Ongoin	g Works																				
I	Post Operative Ward																				
1	Fixing of roof truss works & Sheet laying																	Г			
2	Masonary work																				
II	Gynecology Block																				
1	Pointing / Plastering work																				

## **COMMUNITY HEALTH CENTRE, MOOTHAKUNNAM**

Community Health Centre Moothakunnam is the only Government Health Centre with in-patient facilities and 15 beds in the block panchayat.

Objective: Renovation of health facilities for improved healthcare access to the population.

## Proposed Interventions:

- Transform the facility to a 'Safe & Green Health Centre' with improved resilience.
- Renovation of the existing IP Block.
- Construction of a new toilet block, after demolishing the damaged toilet block.
- Refurbishment of the existing OP Block to augment the existing facilities.
- Refurbishment of the existing PH Block to augment the existing facilities.
- Providing truss roof over the OP and PH blocks for roof slab protection and extension of facilities in the future.

- All works at In-Patient block completed.
- All works at Public Health block completed.
- Out-Patient block waiting area extension works completed.
- Construction of Toilet block completed.
- Trusswork completed over OP & PH block.



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No.	Activities						Т	ota	l pe	rcer	ntag	ge o	f co	mp	leti	on					
Wor	ks completed	2%	30 %OL	15%	20%	25%	30%	35%	40%	45%	20%	25%	%09	929	70%	75%	80%	85%	%06	95%	20 Oc
	IP Block,PH Block & OP Block																				
1	Demolition, dismantling for refurbishments																				Г
2	Flooring and cladding works																				
3	Partition works																				
4	Electrifcation & Plumbing works																				Г
5	Demolition, dismantling for refurbishments																				
6	Elelctrifcation of PH Block																				Г
7	Extension of waiting area OP Block																				
8	Floor finishing & daddoing works of OP Block																				Г
9	Fabrication and fixing of roof truss -PH &OP Block																				
10	Masonary work for New Toilet Block																				Т
11	Plumbing and water supply (OP & PH Blocks)																				
Ong	oing Works																				Г
	IP Block, PH Block, OP Block																				
1	Patient waiting area																				
2	Balance truss roof sheetlaying works at IP Block																				
Wor	ks to commence																				
	PH Block, OP Block & New Toilet Block																				
1	Electrification works (OP Block)																				
2	Landscaping and paving tiles in front of toilet	1	T	T					Г				Г								

## PRIMARY HEALTH CENTRE, PUTHUVYPPU

Puthuvyppu is one of the densely populated inland in the state. The Primary Health Centre (PHC) is the only Government health centre in the Panchayat. The building was totally damaged in the floods and was declared unfit. Presently the PHC is functioning in a temporary shelter in the compound.

## Proposed Interventions:

 Construction of new building that is eco-friendly, energy-efficient and disaster-resilient catering to the emerging health care needs of the people and Family Health Centre.

- Foundation work completed.
- Masonry work completed.
- Plastering work is progressing.



PROJ	ECT SCHEDULE	PF	MIS	ARY	/ HI	AL	TH	CE	NTF	₹E,	PU	THU	JVΥ	PΡ	U						
No.	Activities							To	otal p	erce	entag	ge of	com	plet	ion						
Works	completed	2%	10%	15%	20%	25%	30%	35%	40%	45%	20%	55%	%09	%59	70%	75%	80%	85%	%06	95%	100%
1	Well foundation works		1		•																
2	Footing works																				
3	Plinth Beam works																				
4	RCC columns GF																				
5	Concreting for GF roof slab and																				
6	Masonary work for GF																				
7	Work of headroom, parapets, etc;																				
8	Pointing / Plastering work																				
9	Joinery fabrication and fixing																				
Ongoin	ig works																				
1	Painting and white washing																				
2	Plumbing and water supply work																				
Works t	to commence																				
1	Floor finishing and daddoing				ĺ													İ			
2	Electrification works																				
3	Landscaping, paving, etc;																				

## PRIMARY HEALTH CENTRE, CHITTATTUKARA

Chittattukara Primary Health Center is one of the oldest Health Centres in the panchayat and caters to the health care requirements of nearly 25,000 people.

The objective of the work is to upgrade the PHC to Family Health Centre (FHC) with improved facilities that are eco-friendly and enhance disaster resilience.

Dual Support is being provided:

- 1. Gap Funding To supplement NHM interventions.
- 2. CIIF standalone support identify, renovate and construct interventions to upgrade the facility from a PHC to FHC.

Proposed CII standalone support interventions:

• Upgrade the facility into an FHC with facilities such as Yoga hall/Conference hall, waiting area and construction of new toilets.

 Integrating components of disaster resilience and barrier free structures.

- 1. Gap Funding:
  - Refurbishment of wards, waiting area completed.
    Painting work is progressing.
- 2. CIIF's Direct support:
  - Conference hall flooring work completed.
  - Biomedical waste superstructure completed and plastering completed.
  - Office room and storeroom masonry work completed.



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No.	Activities						•	Гota	l pe	rcer	ntag	e of	cor	nple	etio	n					
		2%	10%	15%	20%	25%	30%	35%	40%	45%	20%	25%	%09	%59	%02	75%	80%	85%	%06	95%	100%
1	Fabrication and installation of staircase																				
2	Brickwork & partition walls									•											
3	False Ceiling works																				
4	Pointing / Plastering work																				
5	Floor finishing and dadoing																				
6	Wood work fabrication and fixing																				
7	Painting and white washing																				
8	Plumbing and water Supply work																				
9	Electrification works																				
10	Partition works																				
11	Minor painting works																				

## PRIMARY HEALTH CENTRE, MULAVUKADU

Primary Health Centre Mulavukadu won the "Best PHC in State" award in the year 2010. The Government has decided to upgrade this PHC to an FHC with improved infrastructural facilities that are eco-friendly and enhance disaster resilience.

Dual support is being provided:

- 1. Gap Funding To supplement NHM interventions.
- 2. CIIF Direct support To support upgradation of PHC to FHC by improved disaster resilience and facilities requisite for FHC.

## Proposed Interventions:

 OP block renovation and truss work on the renovated OP block. • Top up with NHM work.

- 1. Gap Funding:
  - Refurbishment of waiting area for the immunization block, partition, electrification, plumbing works in OP, laboratory and pharmacy and construction of new toilet for observation ward has been completed.
- 2. CIIF's Supported Works:
  - Proposed truss work and painting completed.



PR	OJECT SCHEDULE	PRIM	1ARY	HEAL	тн с	ENTR	E, ML	JLAVI	JKAD	U	
No.	Activities			Tota	al perd	entag	e of c	omple	tion		
Wol	rks completed	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
1	1 Fabrication and fixing of columns										
2	Fabrication and fixing of roof truss										
3	Roof sheet laying works									,	
4	Painting truss works										

# PRIMARY HEALTH CENTER, AVOLY

The Government of Kerala has selected PHC Avoly for upgrading the existing PHC to FHC. It is the only PHC in this area catering to the health needs of the people.

## Proposed Interventions:

- Improving the healthcare facilities and transition of the hospital to a 'Safe and Green Hospital'.
- Construction of biomedical waste management unit and infrastructural facilities for immunization room such as passage and waiting area.

- The truss works of the waiting area completed.
- Superstructure and roofing of bio medical waste management unit completed.



PROJ	ECT SCHEDULE	PRI	MAR	Y HE	ALTI	I CE	NTEF	R, AV	OLY		
No.	Activities			Total	perc	entag	je of d	comp	letion	1	
Works	completed	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Α	Biomedical storage unit										
1	Foundation works										
2	Brickwork partition walls										
3	Fabrication and fixing of roof truss										
4	Roof sheet laying works										
5	Fabrication and fixing of doors										
6	Pointing / Plastering work										
7	Floor finishing works										
В	Roofing for passage										
1	Fabrication and fixing of columns										
2	Fabrication and fixing of roof truss										
3	Painting truss works										
4	Roof sheet laying works										
5	Floor finishing & paving works										
6	Painting and white washing										