



CII & CII Foundation Kerala Rehabilitation Initiative

PROJECT UPDATE FEBRUARY 2021

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 (Govt. Lower Primary School (GLPS), Kayanad) and six Public Health Centres (North Paravoor, Moothakunnam, Chittattukara, Puthuvypu, 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 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 KERALA REHABILITATION INITIATIVE Monthly Progress Report for the Month of February 2021 | | | | | | | | | | | | | | | | | | | |
|------|--|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| S/NO | Name of work | % of Progress | | | | | | | | | | | | | | | | | | | |
| | | 5 | 10 | 15 | 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 Puthuvypu | | | | | | | | | | | | | | | | | | | | |
| 5 | Govt. PHC Chittattukara | | | | | | | | | | | | | | | | | | | | |
| 6 | Govt. PHC Mulavukadu | | | | | | | | | | | | | | | | | | | | |
| 7 | Govt. PHC Avoly | | | | | | | | | | | | | | | | | | | | |

GOVT. LOWER PRIMARY SCHOOL, KAYANAD

Govt. 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. Presently, the school is functioning out of a rented building.

Proposed Interventions:

- Complete reconstruction of the school building.
- 6 Classrooms, toilet block and administrative rooms in ground floor. First floor to have one multipurpose room.

- Additional features – barrier-free enabling structures such as ramps, disabled-friendly toilets, bio gas plant and waste water treatment unit.

Status:

- All RCC work completed.
- Laterite masonry work completed.
- Flooring PCC 95% completed.
- Plastering work is progressing.



| No. | Activities | MAY | JUNE | JULY | AUG | SEP | OCT | NOV | DEC | JAN | FEB |
|-----|---|-----|------|------|-----|-----|-----|-----|-----|-----|-----|
| 1 | Mobilisation & site clearance | ■ | | | | | | | | | |
| 2 | Earth work excavation | ■ | ■ | | | | | | | | |
| 3 | PCC for foundations | ■ | ■ | | | | | | | | |
| 4 | Footings, columns, plinth beams, etc; | ■ | ■ | ■ | | | | | | | |
| 5 | Masonry works for plinth leveling | | ■ | ■ | | | | | | | |
| 6 | Earth filling inside basement | | ■ | ■ | | | | | | | |
| 7 | RCC columns GF | | ■ | ■ | ■ | | | | | | |
| 8 | Form work for GF roof slab and beams | | | ■ | ■ | ■ | | | | | |
| 9 | Concreting for GF roof slab and beams | | | | ■ | ■ | ■ | | | | |
| 10 | RCC columns FF | | | | | ■ | ■ | ■ | | | |
| 11 | Brickwork for GF | | | | | ■ | ■ | ■ | ■ | | |
| 12 | Under roof pointing | | | | | | ■ | ■ | ■ | ■ | |
| 13 | Woodwork fabrication and fixing | | | | | | ■ | ■ | ■ | ■ | |
| 14 | Brickwork headrooms, parapets, etc; | | | | | | | ■ | ■ | ■ | |
| 15 | Roof work for stair roof, FF room, etc; | | | | | | | | ■ | ■ | |
| 16 | Over roof & sunshade plastering | | | | | | | ■ | ■ | ■ | |
| 17 | Brick batt flooring /PCC | | | | | | | | ■ | ■ | |
| 18 | Pointing /plastering work | | | | | | | | ■ | ■ | ■ |

Status as on 28th February 2021

TALUK HEADQUARTER HOSPITAL, PARAVOOR

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

It is the only Government maternity hospital in the Taluk.

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

Proposed Interventions:

Setting up of post-surgical wards, truss works for the operation theater and modification of the existing gynecology block. The designs and structure designs are completed, structural estimation is in progress.

Status:

Post Surgical ward:

- At present R.C.C column work completed of post surgical ward.
- Masonry work with AAC block is progressing.

Gynecology Ward:

- Dismantling work completed.
- RCC Column work is progressing.



| No. | Activities | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB |
|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| I | Post Operative Ward | | | | | | | | | |
| 1 | Mobilisation & site clearance | | | | | | | | | |
| 2 | Demolition of dummy columns, parapets etc; | | | | | | | | | |
| 3 | Fabrication and fixing of columns | | | | | | | | | |
| 4 | Fabrication and fixing of roof truss | | | | | | | | | |
| 5 | Painting truss works | | | | | | | | | |
| 6 | Roof sheet laying works | | | | | | | | | |
| 7 | RCC columns | | | | | | | | | |
| 8 | Joinary fabrication and fixing | | | | | | | | | |
| 9 | Masonary work | | | | | | | | | |
| II | Gynecology Block | | | | | | | | | |
| 1 | Demolition of dummy columns, parapets, etc; | | | | | | | | | |
| 2 | RCC columns FF | | | | | | | | | |

Status as on 28th February 2021

COMMUNITY HEALTH CENTRE, MOOTHAKUNNAM

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

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

Proposed Interventions:

- Transform the facility to a 'safe and green Health centre' and with improved resilience.
- Refurbishment of wards, Pharmacy and construction of toilets.

Status:

- First floor tile flooring is completed. Necessary plastering and patch work are completed.
- Electrical and plumbing works are going on.
- Painting work of IP building is progressing.
- Plumbing and sanitary works completed.
- Excavation for ramp work started.



| No. | Activities | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB |
|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | IP block renovation | | | | | | | | | | | |
| 1 | Mobilisation & site clearance | | | | | | | | | | | |
| 2 | Demolition, dismantling for refurbishments | | | | | | | | | | | |
| 3 | Joinery fabrication and fixing | | | | | | | | | | | |
| 4 | Pointing / plastering work | | | | | | | | | | | |
| 5 | Painting and white washing | | | | | | | | | | | |
| 6 | Plumbing and water supply (refurbishments) | | | | | | | | | | | |
| 7 | Electrification works (refurbishments) | | | | | | | | | | | |
| 8 | Flooring & daddoing works (refurbishments) | | | | | | | | | | | |
| 9 | Cleaning of debris & handover | | | | | | | | | | | |

Status as on 28th February 2021

PRIMARY HEALTH CENTRE, PUTHUVYPPU

Puthuvyppu is one of the densely populated inlands 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.

Status:

- The demolition of the unfit building completed.
- Well foundation work is progressing.
- Foundation work is progressing and placing rings in ring foundation has been completed.
- Steel reinforcement work for foundation has started.



| No. | Activities | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB |
|-----|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | Mobilisation & site clearance | | | | | | | | | |
| 2 | Earth work excavation | | | | | | | | | |
| 3 | PCC for foundations | | | | | | | | | |
| 4 | Footings, columns, plinth, beams | | | | | | | | | |
| 5 | Masonry works for plinth leveling | | | | | | | | | |
| 6 | Earth filling inside basement | | | | | | | | | |
| 7 | RCC columns GF | | | | | | | | | |

Status as on 28th February 2021

PRIMARY HEALTH CENTRE, CHITTATTUKARA

Chittattukara Primary Health Center is one of the oldest Health Centres in the panchayat and caters to 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 stand alone support – identify, renovate and construct interventions to upgrade the facility from a PHC to Family Health Centre (FHC).



Proposed CIIF standalone support interventions:

- Upgrade the facility into a FHC with the following facilities such as Yoga hall/Conference hall, waiting area and construction of new toilets.
- Integrating components of disaster resilience and barrier free structures.

Status:

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



| No. | Activities | MAY | JUNE | JULY | AUG | SEP | OCT | NOV | DEC |
|-----|---|-----|------|------|-----|-----|-----|-----|-----|
| 1 | Mobilisation & site clearance | ■ | | | | | | | |
| 2 | Earth work excavation | ■ | ■ | | | | | | |
| 3 | PCC for foundations | ■ | ■ | | | | | | |
| 4 | Footings for staircase | ■ | ■ | | | | | | |
| 5 | Brickwork partition walls | | ■ | ■ | | | | | |
| 6 | Woodwork fabrication and fixing | ■ | ■ | | | | ■ | ■ | |
| E1 | Fabrication and installation of staircase | ■ | ■ | | | | ■ | ■ | |
| E2 | Demolition of parapets | | ■ | ■ | | | | | |
| 7 | Pointing / plastering work | | ■ | ■ | ■ | | | | |
| 8 | False ceiling works | | | ■ | ■ | ■ | | | |
| 9 | Floor finishing and daddoing | | | | | ■ | ■ | | |
| 10 | Painting and white washing | | | | | | ■ | ■ | |
| 11 | Plumbing and water supply work | | | | | ■ | ■ | ■ | |
| 12 | Electrification works | | | ■ | ■ | ■ | ■ | ■ | |
| 13 | Cleaning of debris & handover | | | | | | | | ■ |

WORK COMPLETED

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.

Status:

- 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.

- CIIF Supported Works:

- Proposed truss work and painting completed.



| No. | Activities | AUG | SEP | OCT | NOV | DEC | WORK COMPLETED |
|-----|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------|
| 1 | Mobilisation & site clearance | <div><div></div></div> | | | | | |
| 2 | Fabrication and fixing of columns | <div><div></div></div> | <div><div></div></div> | | | | |
| 3 | Fabrication and fixing of roof truss | <div><div></div></div> | <div><div></div></div> | <div><div></div></div> | | | |
| 4 | Painting truss works | | | <div><div></div></div> | <div><div></div></div> | | |
| 5 | Roof sheet laying works | | | | <div><div></div></div> | | |
| 6 | Cleaning of debris & handover | | | | | <div><div></div></div> | |

PRIMARY HEALTH CENTER, AVOLY

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.

Status:

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



| No. | Activities | SEP | OCT | NOV | DEC |
|----------|--------------------------------------|-----|-----|-----|-----|
| A | Biomedical storage unit | | | | |
| 1 | Mobilisation & site clearance | | | | |
| 2 | Earth work excavation | | | | |
| 3 | Masonry for foundations | | | | |
| 4 | Filling inside foundation | | | | |
| 5 | Brickwork partition walls | | | | |
| 6 | Fabrication and fixing of roof truss | | | | |
| 7 | Roof sheet laying works | | | | |
| 8 | Fabrication and fixing of doors | | | | |
| 9 | Pointing / plastering work | | | | |
| 10 | Floor finishing works | | | | |
| B | 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 | | | | |
| 7 | Cleaning of debris & handover | | | | |

WORK COMPLETED