



■ Research ■ Analyze ■ Innovate

# QUARTERLY PROGRESS REPORT

Q1 (April - June 2021) FY 2021-22



**KEY  
HIGHLIGHTS**

# Developing a dynamic web portal for WHO to present survey data on Non Communicable Diseases (NCDs) in visually appealing interactive charts

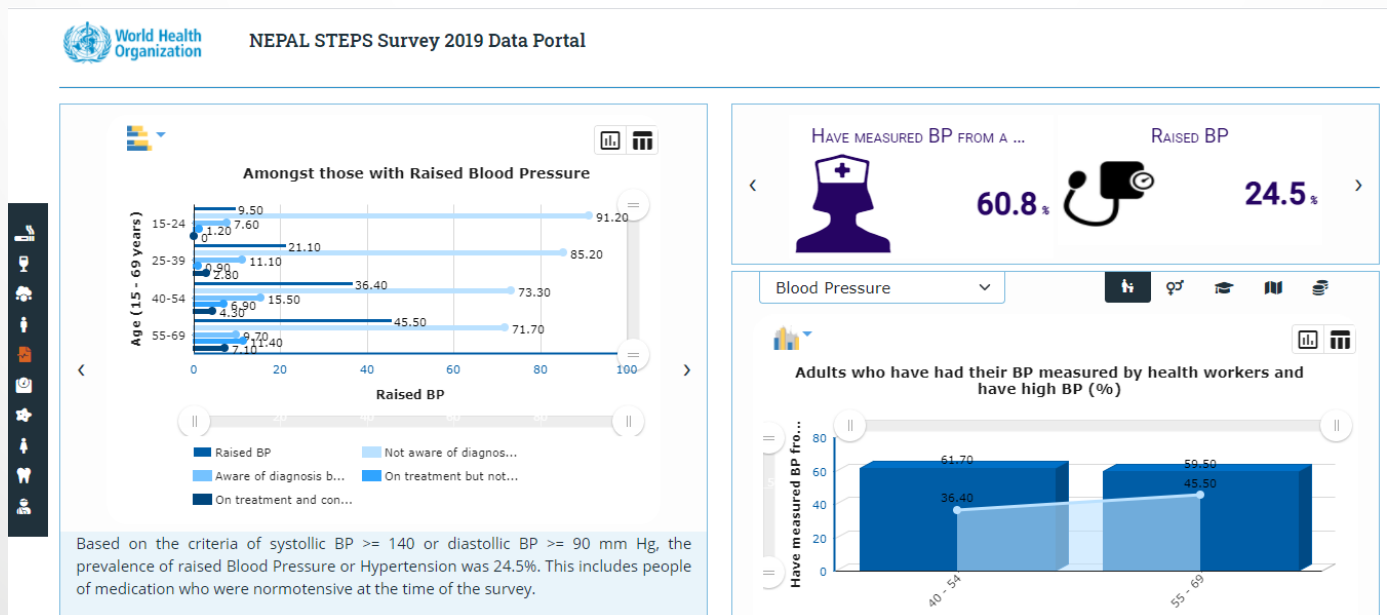
Start date: 9th March 2020 | Status: Ongoing

CDFI is supporting WHO in developing a prototype web-portal to visualize data collected in massive country-wide surveys covering multiple NCD risk factors among adults and adolescents.



- The WHO Regional office for South East Asia facilitates and supports population-based NCD risk factor surveys in the region
- However, the data from these surveys is not easily accessible, primarily disseminated through published surveys reports and factsheets

- A prototype is being developed using NCD survey data for one country
- SANKALP is being used to analyse & create charts for identified KPIs
- Web portal has been designed & is currently under development



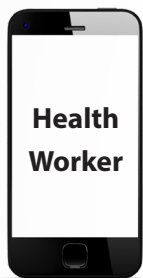
Few screenshots of portal under development

## Continued to support Meghalaya government in their fight against Covid

Start date: 23<sup>th</sup> March 2020 | Status: Ongoing

Meghalaya Government is using CDFI's multi-dimensional & integrated COVID Tracking System to provide required timely medical attention to Covid patients across the state.

### The COVID Tracking System involves :



Mobile app to register returning migrants and record symptoms



Daily IVR phone calls to track symptoms



Action Dashboards & alerts



Coronacare Management System (CMS)

**Over 187,000**  
citizens monitored  
across the state

**Over 10,000**  
patients registered  
on CMS

**600+** Govt.  
& Health Officials  
are using the system  
across the state

- The system is enabling Mobile Medical Teams of nurses & health officers, visiting mild & moderately symptomatic & aged above 45 years patients at their homes to:
  - Record & track their symptoms on a mobile app
  - Provide medicines & consultations to them at home
  - In case of need of hospitalization, refer them to a medical facility
- Similarly, health status & other details of incoming migrants & travellers are also being captured using a mobile app at the state entry check points
- The system also enables daily recording of symptoms by making automated/contact centre phone calls to Covid patients
- The system connects all hospitals & Corona care centres & testing labs through a web & mobile based CoronaCare Management system



*Dashboards generated from data received on CoronaCare Management system*

## Phase-I of NRLM's LokOS platform development completed, field testing underway

Start date: 15th October 2019 | Status: Ongoing

Under a BMGF funded project, CDFI is supporting NRLM in redesigning, developing, piloting & scaling its core data architecture & systems. NRLM's Core Data System (LokOS) will be a mini core banking system for the SHG ecosystem. Micro-services & API based architecture has been finalised & phase-wise development approach is being followed.

### Scale of the NRLM program



6.2 MN  
SHGs



3.5 MN  
Mahila Kisans



250,000  
Cadres



65,000 Village  
Entrepreneurs

### Progress so far

- Phase 1 development of two (2) modules of LokOS i.e. member detail and group detail capture has been completed
- Field testing is currently underway in Haryana (Munak block) and Uttar Pradesh (Bijnor-Najibabad block)
- Modules under phase 2 are being developed

## CDFI deepened its collaboration with Meghalaya Govt. by embedding data driven systems to drive outcomes in maternal & child health, livelihood & social audit

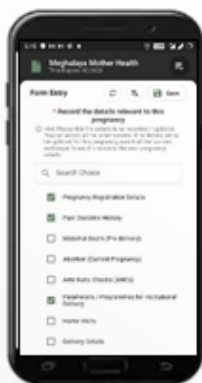
Start date: 20<sup>th</sup> September 2019 | Status: Ongoing

### Maternal Health

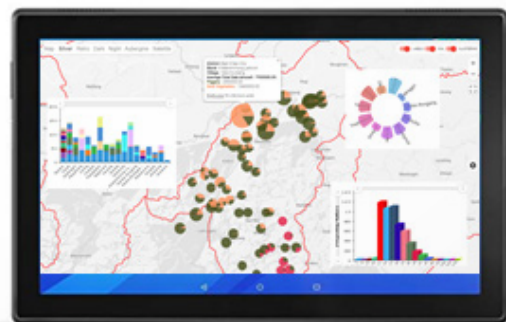
CDFI is enabling Meghalaya Government track health parameters of expecting mothers from their first trimester of pregnancy till the vaccination of newborns

MOTHER program is helping state administration in:

- Improving institutional deliveries across the state
- Tracking and monitoring pregnant women throughout various stages of pregnancy
- Timely healthcare and vaccination provided to new-borns



ASHA workers & ANMs collect data through mobile app



Local admin to CMO can monitor analysis of collected data & plan interventions



Around **50,000 pregnant women** being monitored across the state



More than **43,000 deliveries** recorded in the system



Institutional deliveries are now consistently improving across all districts

## Broad stages of data collection and parameters tracked

### Antenatal Check (ANC)

- Basic parameters such as weight, Hemoglobin, Blood Pressure etc.
- Information on various tests conducted such as Urine test, TT injection, Ultrasound tests
- Type of high risk cases identified, such as Severe Anemia etc.
- Any danger signs such as high fever etc.

### Delivery details

- Type of delivery : Home birth or Institutional Delivery
- Who conducted delivery
- Any complications in delivery
- Any defect seen at birth
- Immunization doses given to newborn

### Pregnancy Registration

- Order of pregnancy for woman, such as 1st, 2nd etc.
- Any history of illness of expecting mother, such as TB, Diabetes etc.
- Essential tests taken by mother or not such as HIV, VDRL test etc.

### Home Based New Born Care

- 7 visits by ASHA/ANMs post delivery
- Any danger signs observed for new born
- Vaccinations given to new born

## Child Health

Doctors from Rashtriya Bal Swasthya Karyakram are also using the digital approach to track the health status of children with birth defects and disability



June 2021  
**42,000**   
children across the state

## Social Audit

CDFI's digital solutions are also helping Meghalaya Society for Social Audit & Transparency conduct social audit of select Govt. programs i.e their coverage and inclusion/exclusion errors



*MSSAT field team conducts household level survey to assess eligibility and coverage under govt. programs*

*Data is analyzed using analytics platform to assess eligibility and coverage of surveyed households under govt. programs*

*Reports based on analysis are shared with the concerned departments and Gram Sabhas for taking appropriate action*

Following schemes are being audited by MSSAT using our solution:

## 1. PMAY-G 2. Indira Gandhi National Old Age Pension Scheme 3. MGNREGS 4. Meghalaya Community led Landscape Management Project

- Over **11,000 PMAY-G beneficiaries** were surveyed in which 5,348 beneficiaries were female
- **33,540 beneficiaries** of IGNOAPS beneficiaries were surveyed across the state
- **5.95 lakh rural households** were surveyed for MGNREGS across the state

### Livelihood

Conducting a research study to assess the impact of Self Help Groups (SHG) and Village Organizations on the income & consumption levels of SHG members

- Under this study, the impact of support being provided by MSRLS to SHGs is being analysed by studying specific control groups as baseline data is not available
- A treatment group of SHG members is being compared with two (2) control groups i.e 1 group of non-SHG households in the intervention area and another group of non-SHG households from non intervention areas
- Objective of selecting the two control groups was to see the differences between treated and non-treated individuals in the treated and non-treated areas
- Multistage stratified sampling method was used to select a representative sample
- 110 SHGs, 55 VOs, 550 SHG members and 1,103 non-members (Treatment and Control Group) were selected from across the state
- Propensity Score Matching method has been selected for impact assessment.

Propensity Score Matching is a non-experimental, retrospective method of impact evaluation.

Data collection is complete and is currently being analysed to draw insights across various parameters such as household income, expenditure, savings and loan details, asset details and sources of income.

## Five (5) new FPOs added for digitalization in Uttar Pradesh using KANCHI

Start date: 1st December 2019 | Status: Ongoing

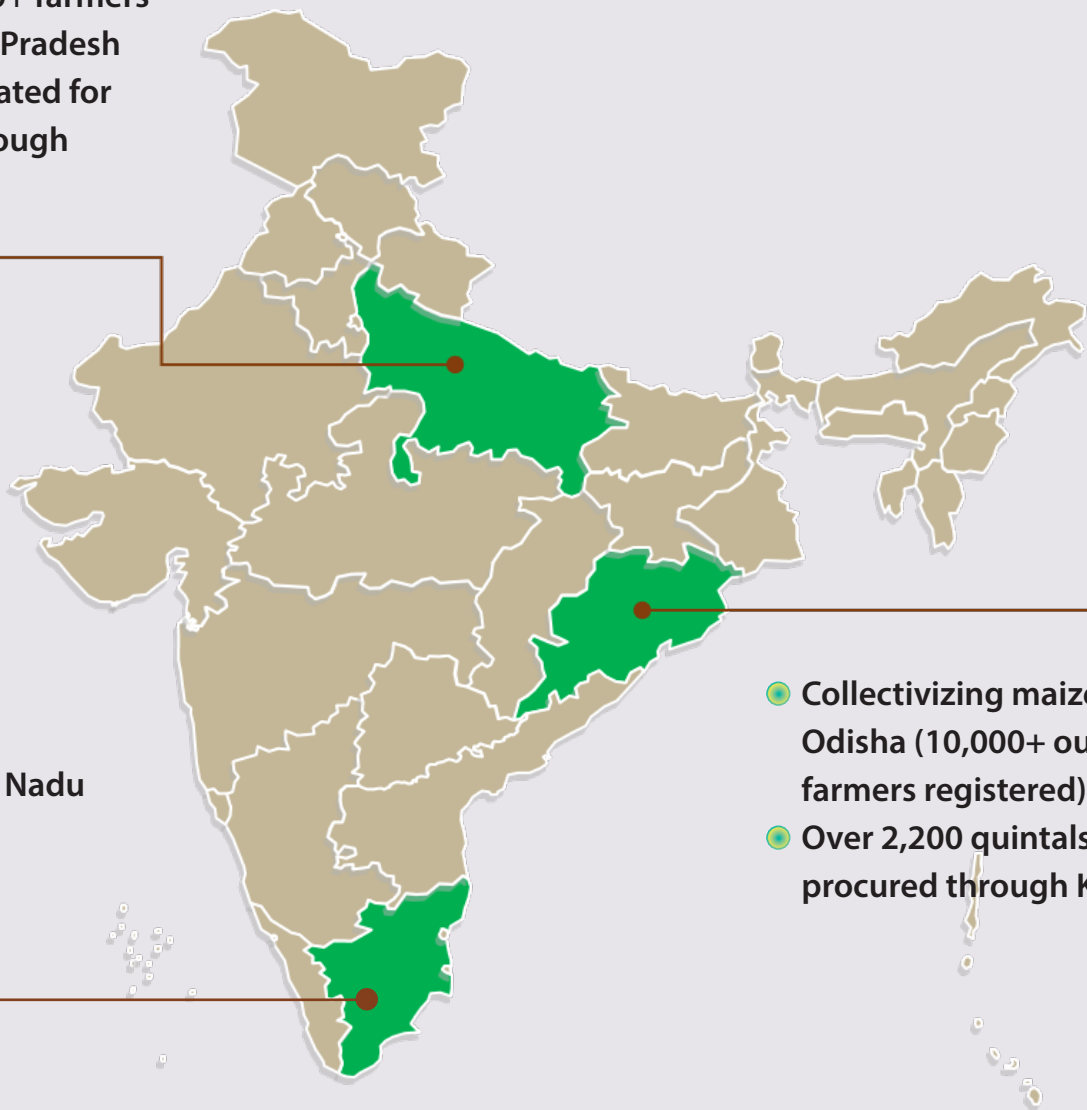
KANCHI is a web & mobile based platform used to manage agri-business operations of farmer collectives such as selling inputs to farmers, leasing farm equipment, produce aggregation and selling it in wholesale or retail.



*Web and Mobile based modules of KANCHI*

- Specific targets have been given for each of the modules being used by the FPOs and are being monitored on near real time basis using SANKALP

- 5 FPOs with 3,000+ farmers digitised in Uttar Pradesh
- 5 more FPOs initiated for digitalisation through KANCHI



29 FPOs in Tamil Nadu Digitised

- Collectivizing maize farmers in Odisha (10,000+ out of 16,000 farmers registered)
- Over 2,200 quintals of maize procured through KANCHI

## Developing a web & mobile app based E-Learning Platform and its learning contents for NPCI on different digital payment modes

Start date: 1st April 2020 | Status: Ongoing

CDFI is developing a mobile & web-based platform for NPCI to create awareness and increase adoption of its digital payments products. The platform will host courses related to NPCI products.

### E-Learning Platform is expected to help:

- Citizens understand NPCI products
- Merchants / SMEs use NPCI products for their payments needs
- Partner banks learn how to operate the back-end systems related to NPCI products

### Products/Services/Topics to be covered



BHIM UPI



RuPay



AePS



NETC FASTAG



UPI Bank Operations



RuPay Bank Operations



AePS Bank Operations

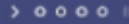


NFS Bank Operations

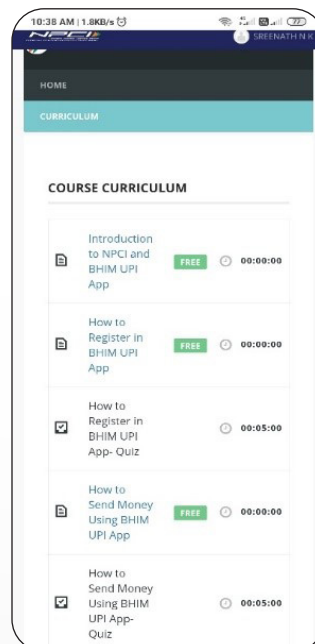
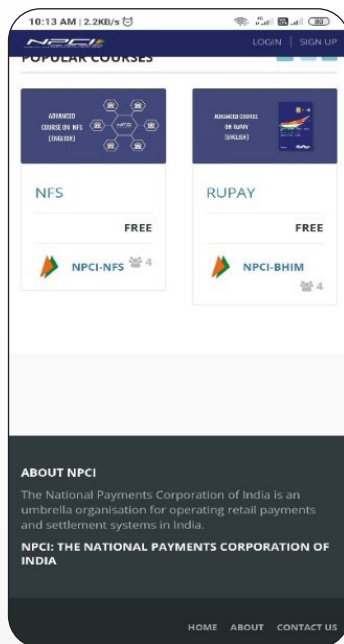
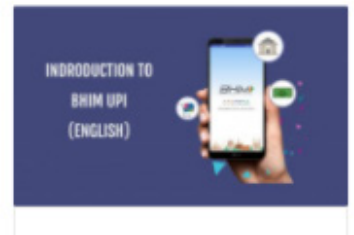
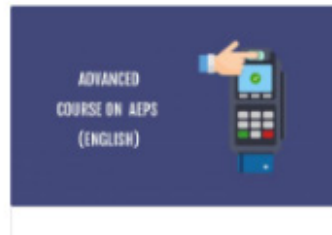
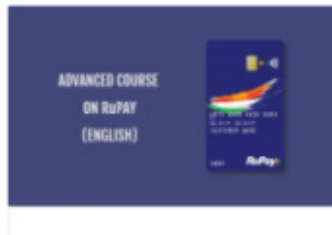
- Learning Management System & its content (in English & Hindi) developed & shared with NPCI
- NPCI conducted information security review of the application and suggested some changes
- A proposal has been submitted to NPCI for incorporating the changes suggested by them
- Currently NPCI is reviewing the proposal

# LEARN ABOUT AePS

THE AADHAAR ENABLED PAYMENT SYSTEM (AEPS)



## POPULAR COURSES



Learning Management System

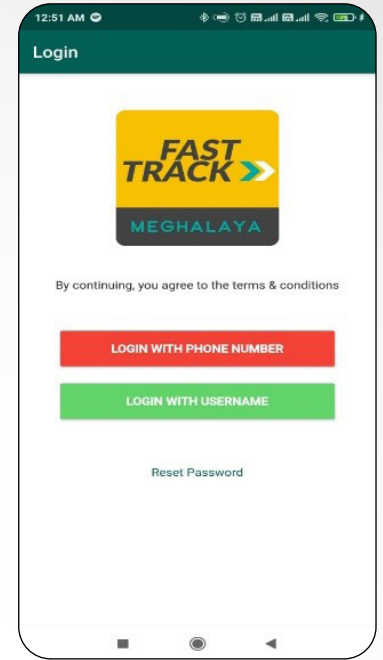
## Meghalaya's CM Office is using a workflow based mobile app to register, assign & track petitions from citizens

Start date: 15th November 2019 | Status: Ongoing

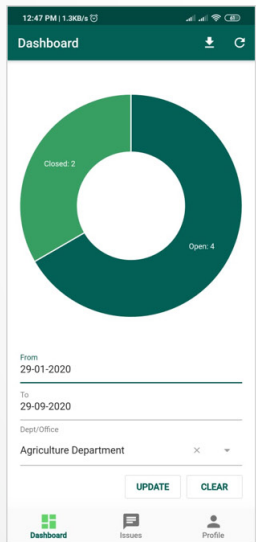
CDFI developed a workflow based mobile app for Government of Meghalaya to manage complaints from initiation to resolution and to track progress at each stage.



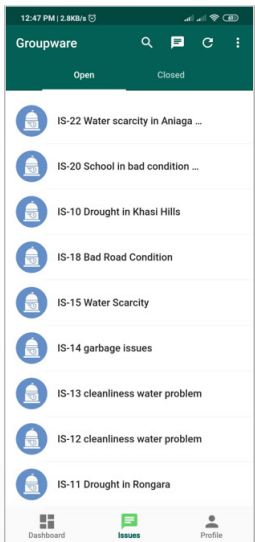
- FastTrack App will help CM's office in tracking petitions and in their quick & effective resolution
- The application with both android & iOS version went live on 14th June 2021



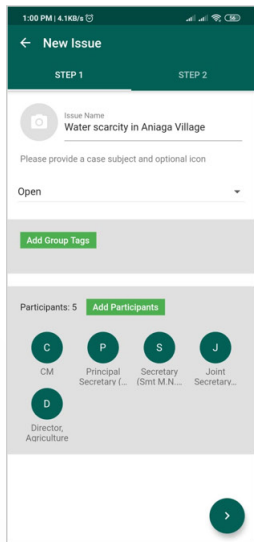
*FASTTRACK app in android play store*



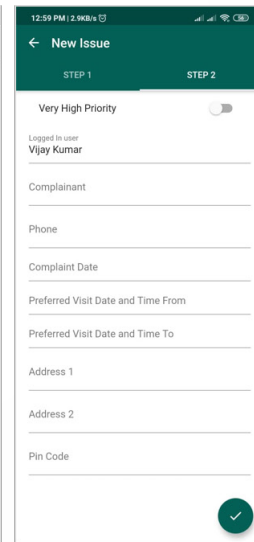
**Dashboard**



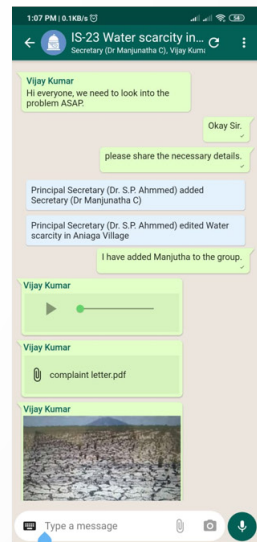
**Petition/Issue Listing**



**Assigning petition/issue to 1 or more government official**



**Providing more details about the petition**



**Interactive Text, Audio, Image, Video capabilities**

*FASTTRACK app for Govt. of Meghalaya*

## Supporting Ministry of Electronics & Information Technology (MeitY) in promoting adoption of digital payments

Start date: 1st April 2020 | Status: Ongoing

CDFI continued its advisory & research support to MeitY in driving and promoting digital payments under Digidhan Mission.

- Helped MeitY assess the effectiveness of subsidizing MDR charges for debit card / BHIM UPI/ Aadhaar Pay transactions less than or equal to **₹2000**



- Omidyar Network grant for supporting the project completed on 30th June 2021
- MeitY is also exploring a proposal submitted by CDFI to digitise operations and payments of **40 FPOs in UP and TN**

## Advisory support to MoWCD for implementing PMMVY across the country

Start date: 24th April 2017 | Status: Ongoing

CDFI continued to provide advisory support to the Ministry in tracking and improving PMMVY implementation to achieve desired objectives.

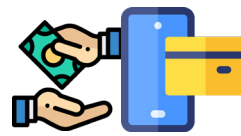
### CDFI supports the Ministry in:

- Appointing resources for programme management unit (PMU) and/or software development agency (SDA)
- Periodic review of scheme implementation and identification of actions for improvement
- Policy design and technological design
- Conducting workshops and capacity building exercises
- PMMVY scheme related details are now also available on UMANG (Unified Mobile Application for New-age Governance) app



Beneficiaries  
paid

24  
million

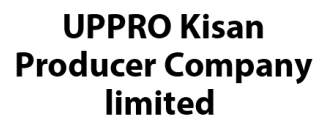


Payments  
made

₹ 80  
million

CDFI's engagement with the Ministry has been extended till 31st July 2021

# CURRENT PROJECT PARTNERS





■ Research ■ Analyze ■ Innovate

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