

## The IFM Masterplan by ARTS

Many communities in Asia are highly vulnerable to natural disasters such as earthquakes, floods and cyclones. Yet, most are inadequately prepared for the next 'Big One'. In India, the non-life insurance market penetration currently stands at 0.8% of GDP, with many households lacking adequate protection for their assets and livelihoods through commercial insurance. The time to act is now, and here is how technology can make Insurance for the Masses (IFM) a reality.

### EXTENDING THE REACH OF INSURANCE

Riding on the wave of smartphone growth in India, mobile apps can help bring insurance to the remotest of regions in the country at minimal cost. In addition to providing a cost-efficient channel of distribution, mobile apps accelerates underwriting processes via integrated GPS sensors, one-touch digital interfaces, and mobile payment integrations.

With the proliferation of mobile networks and technologies, people can now easily access and purchase insurance policies anywhere, anytime.



### POWERING NEW BREEDS OF INSURANCE PRODUCTS

Utilising latest research and new innovations in catastrophe risk modelling, we can now develop new breeds of index-based natural catastrophe insurance products that are affordable, easy to subscribe, and practical to implement on a nationwide scale.

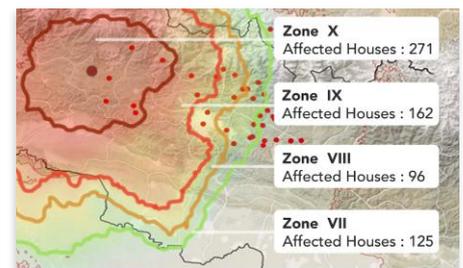
A new 'IFM' form of earthquake housing insurance product is depicted on the right. In the event of an earthquake, if the insured property experiences a shaking intensity of XI, the policyholder stands to receive a 'triggered' payout of ₹1,00,000.



### GREATER PRECISION IN ASSESSING LOSSES REMOTELY

Remote loss assessment is especially critical following a massive disaster, as disaster-stricken zones can be placed out-of-bounds for months.

Putting to use latest advances in remote sensing technologies, we are able to utilise high resolution digital disaster event maps to remotely assess losses with greater precision. This helps ensure that 'triggered' payouts are in close agreement with actual losses experienced by affected policyholders, thus alleviating the need for tedious and costly on-site damage assessments.



### FAST DISASTER PAYMENTS

Following a catastrophe event, every delay on the ground exacerbates the impact of a disaster. While affected areas await support and funding, lives are lost, businesses and livelihoods are disrupted, and national output is dented.

With GIS techniques and technology, event loss assessment can be completed within days following a huge catastrophe event, and disaster payouts can be transferred swiftly to affected policyholders via electronic mobile wallets or bank accounts.

Intensity Zone	Policies Affected	Total Payout
X	271	₹ 2,16,80,000
IX	162	₹ 1,05,30,000
VIII	96	₹ 57,60,000
VII	125	₹ 63,50,000

The Asia Risk Transfer Solutions (ARTS) Earthquake IFM System is now operationally ready to support Index-based Earthquake Household Insurance in China. We are currently commencing work on the Earthquake IFM System for Nepal, the Philippines and India. Supported perils can be extended to floods, droughts, cyclones, and other hazards, dependent on market requirements