Rapid Visual Survey, for Seismic Risk Assessment of Buildings, in the North-East

Part of National Seismic Response for DDF Consultants.

DDF Consultants Private Limited

Rapid Visual Survey Project for Government Buildings in Meghalaya and Manipur

Rapid Visual Survey of

100 Buildings

Across Meghalaya and Manipur, despite difficult Covid-19 conditions.

Executive Summary

DDF Consultants Pvt. Ltd., **a leading Consultancy,** is assessing government infrastructure across India as parr of the Seismic Response Mitigation Program by NDMA, New Delhi, in conjunction with Aga Khan Agency for Habitat India (AKDN). The Project involves Rapid Visual Screening, Social & Environmental information collection and survey of Government facilities. DDF tasked Brisk Olive for the seismic survey of buildings in Meghalaya & Manipur.

Brisk Olive, a Business Consultant with India's largest operational field force of 23,000+ ex-soldiers,, employed reliable technical ex-servicemen's teams, planned and delivered the complete project in Meghalaya and Manipur in time, despite difficult Covid conditions.

Client Requirement

National Disaster Management Authority (NDMA) awarded a consultancy project for Designing National Seismic Risk Mitigation Program (NSRMP) under the National Cyclone Risk Mitigation Project, Phase-II to DDF-AKDN JV, a Joint Venture between DDF Consultants Private Limited (DDF) and Aga Khan Agency for Habitat India (AKDN).

The project involved Rapid Visual Screening (RVS) and measurement survey of government buildings across India, to identify buildings for retrofitting - for protecting them against earthquake risk.

Client Challenges

The Client's challenges in Meghalaya and Manipur included:

- 56 numbers of Government facilities were spread in a large Geographical spread of 22.429 sq km of area with peculiar topography, rugged terrain, extreme weather conditions, unique geographical and geoclimatic settings.
- The requirement of a high degree of precision and technical competency for collecting the required data.
- The difficulty of finding suitable technical and skillful teams in these areas to undertake the Survey.
- Corona – Covid 19 restrictions, leading to difficult inter and intra state movements for the Survey teams.
- Coordinating timely permissions from government departments, for each facility to be surveyed.

Service Level Requirements

- Execution of RVS within 30 days of issuing the Work order.
- The assessment of RVS parameters as per the approved RVS form through Questionnaires.
- Interaction with the Government officials of each facility and obtaining social, environmental and technical data.
- Recording of the data daily and uploading using a mobile app.
- Take photographs of all facilities with GPS coordinates and daily uploading.

Process Followed for the Project

- Understanding the problem statement and depth analysis of client needs.
- Shortlisting competent manpower from the resource pool.
- Conduct training sessions for the selected manpower.
- Conduct of a pilot to streamline the process.
- Coordination with Surveyors to liaise with government departments, conduct the surveys, and take photographs of every facility.
- Daily feedback and regular interactions with the Client.

Tools and Technologies used

Zoom Classes for Training
Google Drive and Moodle for sharing facilities Material, and for storage of Facilities photos.
Google Forms for Surveys and Feedbacks

MS Projects for Project Management
GIS Web App to track and report on Courses.
Balsamiq Mockups, Git Repository for managing data, Trac – for tracking and resolving issues.

Results Achieved By Client

The Client exceeded all parameters which they had planned for the survey despite the extremely difficult Covid-19 conditions. All facilities were surveyed on time, as per the timelines

About Brisk Olive

Brisk Olive helps organizations grow, through India's largest operational field-force of 23,000+ ex-defense professionals, deployed across all 741 districts of the country.

This makes Brisk Olive India's largest technical consulting and field force operations provider. Their services include Business Consulting, Surveys, Market Research, Audits, Projects, Promotions, Trainings, Verifications, and other white, grey and green collar operational tasks.

Our USP is our Team - which is India's largest, most closely-knit and most process-oriented field force. Every member is hand-picked, and has 15 to 20 years of experience in operations. This helps us combine massive reach and scale with ethical and reliable services. We pride ourselves on being on-time, on-quality and on-cost always.

We love to work for companies that want to grow massively and want to create new solutions or enter new areas.

We are a single window provider, with both state of the art technology and cutting edge manpower. Our tech tools include a proprietary Field Force and Project Management app.

Our clients include MNCs, Government organisation and Non-Profits. Examples of our projects include:

- **Market, Research, Social Surveys, Process Audits for FMCGs, MNCs, PSUs**: IFFCO, one of the worlds' largest software companies, Lattice Solutions, ISC, DDF Consultants, the world's largest soft drink company, etc.
- **Turn-Key Projects for PMC Firms and Social Impact Organizations**: Hans Foundation, Crimson Energy, Leads Connect, etc.
- **Marketing Events & Promotions for MNCs / SMEs**: Katha, ArtKonnect, etc.
- **Trainings for various Organizations**: NTTF, etc.
- **Team Lease Services**: TCS, etc.
- **Other Large Field Force Tasks**: Driver Verifications (Varuna Logistics), Rectification of Forms (CredOps), etc.

Brisk Olive's unique business model provides a win-win-win to Clients, defense veterans, and to Brisk Olive.

Here is a 2-minute Video and a Presentation

Brisk Olive also helps clients recruit India's most dependable operational manpower – veterans – across India.

Brisk Olive's recruitment clients include Amazon India, Welspun India, Hettich, Renew Power, Bajaj Electricals, Gilbarco veeder Root, Zen Technologies, Bharti Realty, Presto Group, Beech Connections, etc.

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