Monitoring Mechanisms for Geo-Tagging of Houses using “Bhuvan-HFA”

Pradhan Mantri Awas Yojana (Urban)
Housing for All – 2022

Urban Development & Housing Department
Government of Madhya Pradesh
Appointment of Surveyor & Supervisor

The points to be review while appointing Surveyor’s & Supervisor’s was done in the State:-

- Proper training of Surveyor’s & Supervisor’s is key for tracking of construction progress through Geo-Tagging of DUs.

- As per learning all the surveyors are instructed to create User ID on Bhuvan Portal 1<sup>st</sup> and activate (Reset Password) User ID created, then only enter the same User ID (Case Sensitive) in Bhuvan App for Geo-tagging. *(Standard Username: HFASur<Name of City><Surveyor Number>)*

- On geo-tagging of 1<sup>st</sup> DU, the surveyor sent a request to the state for approval of User ID.
Appointment of Surveyor/Supervisor & Geo-Tagging

- In case, a Surveyor is deployed for geo-tagging in two or more cities User ID once authorized can be used.
- The Commissioner’s/CMO’s appoint Supervisor at city level and request State to create Supervisor ID.
  - *It is requested to create a State level admin panel in Bhuvan Portal for creation of new user.*
  - *In addition, it is also requested to make provision in Bhuvan Portal for Supervisor’s to change password.*
- Surveyor’s instructed to search by “Beneficiary ID” instead of “Name of Beneficiary”, so no problem of mismatched geo-tagging of beneficiary will happen.
  - *It is requested to make provision in Bhuvan-App to filter data by project instead of complete data as response of App is slow in case of cities in larger approved DUs.*
Geo-Tagging of DUs

- For 1st time Geo-tagging the Surveyor’s are advised to be accompanied with an Official of the concerned City.

- While geo-tagging of DUs Surveyor must ensure that GPS/Location is set as “High”, so that accurate GPS location is captured.

- Capture GPS location from Door-Step.

- Capture photographs of the DU from Center/Left/Right and other instruction advisory issued by GoI must also be followed like no use play-card/black board, beneficiary alongside of DU, Clear/Haze free photographs, etc.

- Other attributes to be captured as per catual.
Almost on daily basis Summary Reports being furnished to all ULBs, for monitoring of the Geo-Tagging. A sample of the same is mentioned below:

Pradhan Mantri Awas Yojana (Urban) - Housing For All 2022
List of Beneficiaries Attached/Linked with DPR (Only BLC) and Geo-Tagging Stage-Wise Report

As on 10-Dec-2018

<table>
<thead>
<tr>
<th>Division</th>
<th>District</th>
<th>City</th>
<th>CSMC Approval Date</th>
<th>DUs as per Approved DPR</th>
<th>Beneficiary Attached with DPR in PMAY MIS</th>
<th>Balance / Invalid / Duplicate Beneficiary Attached with DPR</th>
<th>Pending Attachment %</th>
<th>Geo-Tagged DUs/Houses (Unique/Total)</th>
<th>Attached but Not Geo-Tagged</th>
<th>Approved Geo-Tagging</th>
<th>Rejected Geo-Tagging</th>
<th>Geo-Tagging Pending for Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ujjain</td>
<td>Mandsaur</td>
<td>Mandsaur</td>
<td>17-Mar-16</td>
<td>1,045</td>
<td>1,045</td>
<td>0 / 0 / 0</td>
<td>0.00%</td>
<td>1,045/6,060</td>
<td>0</td>
<td>3,843</td>
<td>2,217</td>
<td>0</td>
</tr>
</tbody>
</table>

Stage-Wise Geo-Tagging Details

<table>
<thead>
<tr>
<th>Stage</th>
<th>Unique</th>
<th>Total</th>
<th>Approved</th>
<th>Rejected</th>
<th>Pending</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Started</td>
<td>804</td>
<td>941</td>
<td>794</td>
<td>147</td>
<td>0</td>
</tr>
<tr>
<td>Foundation</td>
<td>840</td>
<td>983</td>
<td>834</td>
<td>149</td>
<td>0</td>
</tr>
<tr>
<td>Lintel</td>
<td>820</td>
<td>999</td>
<td>810</td>
<td>189</td>
<td>0</td>
</tr>
<tr>
<td>Roof</td>
<td>720</td>
<td>993</td>
<td>701</td>
<td>292</td>
<td>0</td>
</tr>
<tr>
<td>Completed</td>
<td>871</td>
<td>2,144</td>
<td>704</td>
<td>1,440</td>
<td>0</td>
</tr>
</tbody>
</table>
In addition to above mentioned summary report a detailed beneficiary-wise report is also being provided to all ULBs, for monitoring of Stage-Wise Geo-Tagging. A sample of the same is mentioned below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Beneficiary ID</th>
<th>Beneficiary Name</th>
<th>Stage-Wise Geo-Tagging and Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Not Geo-Tagged</td>
</tr>
<tr>
<td>1</td>
<td>238024332556600010</td>
<td>Anita (s/o, d/o, w/o) Kalu</td>
<td>Non Started on 21-Jun-2017</td>
</tr>
<tr>
<td>2</td>
<td>2380243325566000046</td>
<td>Arjun (s/o, d/o, w/o) Wal Singh</td>
<td>Non Started on 29-Jun-2017</td>
</tr>
<tr>
<td>3</td>
<td>238024332556600018</td>
<td>Badhubai Bharat Singh (s/o, d/o, w/o) Bharat Singh</td>
<td>Non Started on 22-Jun-2017</td>
</tr>
</tbody>
</table>
The beneficiary-wise Stage-Wise Geo-Tagging report is being review by the ULBs wherein they can analyze the status of geo-tagging like
- A DU is geo-tagged at Foundation stage on 10th Sep, 2018 and is still not geo-tagged at Lintel stage.
- ULBs can instruct the Surveyor to review that DU and geo-tag the subsequent stage.

With Summary Report being review by City Manager’s as well as state level to review performance of each project for below mentioned all aspects.
- MIS Attachment
- Invalid Aadhaar
- Duplicate beneficiaries
- Geo-tagged DUs.
- Moderation of Geo-Tagged Points.
- Stage-wise Geo-tagging done.
Approval of Geo-Tagging can be done in three ways:

- On login as Supervisor, directly click “Enable Moderation” and click “View”.
- On login as Supervisor, select “Start Date” and “End Date” then click “Enable Moderation” and click “View”.
- On login as Supervisor, directly go-to “Search by Beneficiary” enter “Beneficiary ID” and click “Go”

The 3rd option is selected by the most of the Supervisor where internet connectivity is slow.

In addition, instructions also issued by the State to City Manager’s to review geo-tagged photos in PMAY MIS.

On below mentioned screen select “From Date” and “To Date” and click “Show”, to get the list of geo-tagging accepted in between dates.
## Monitoring Mechanisms for Geo-Tagging of Houses using “Bhuvan-HFA”

### View Geo-Tagged Photo via PMAY MIS

<table>
<thead>
<tr>
<th>S.No</th>
<th>Beneficiary Code / Name/ Father Name/ Aadhar No.</th>
<th>Bank/ Branch/ Account No./ IFSC Code</th>
<th>Not Started / Accepted On/ No of Beneficiary: 20</th>
<th>Started/ Accepted On/ No of Beneficiary: 0</th>
<th>Foundation / Accepted On/ No of Beneficiary: 43</th>
<th>Lintel/ Accepted On/ No of Beneficiary: 46</th>
<th>Roof/ Accepted On/ No of Beneficiary: 27</th>
<th>Completed/ Accepted On/ No of Beneficiary: 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>238022110606600206 Dushrath Nanda Ji</td>
<td>PUNJAB NATIONAL BANK Mandaur</td>
<td><img src="image1" alt="No Image Available" /></td>
<td><img src="image2" alt="No Image Available" /></td>
<td><img src="image3" alt="No Image Available" /></td>
<td><img src="image4" alt="No Image Available" /></td>
<td><img src="image5" alt="No Image Available" /></td>
<td><img src="image6" alt="2/1/2018 3:01:08 PM" /></td>
</tr>
<tr>
<td>2</td>
<td>238022110606600313 Abdul Razzak Aslam Khan</td>
<td>PUNJAB NATIONAL BANK Mandaur</td>
<td><img src="image7" alt="No Image Available" /></td>
<td><img src="image8" alt="No Image Available" /></td>
<td><img src="image9" alt="No Image Available" /></td>
<td><img src="image10" alt="No Image Available" /></td>
<td><img src="image11" alt="8/19/2017 3:44:26 PM" /></td>
<td><img src="image12" alt="1/9/2018 8:43:02 PM" /></td>
</tr>
</tbody>
</table>
Thank You...