



## उन्नत भारत अभियान UNNAT BHARAT ABHIYAN

स्वस्थ भारत- स्वच्छ भारत- स्वावलंबी भारत- संपन्न भारत  
विज्ञान एवं प्रौद्योगिकी आधारित ग्रामीण विकास कार्यक्रम

### VILLAGE DEVELOPMENT PLAN FOR BURTHAL BASSI, JAIPUR (RAJASTHAN)

### MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR



### Village Development Plan

#### Introduction

*Unnat Bharat Abhiyan* was launched by **The Ministry of Human Resource Development (MHRD)** in November 2014. Subsequently, in August 2015, guidelines were provided by the MHRD to the educational institutes to initiate

work under the UBA in consultation with the district administration. Accordingly, **MNIT JAIPUR** separate different teams to identify different clusters of villages and work for their upliftment. MNIT JAIPUR has adopted 5 villages by considering the fact that the villages should be from less developed areas of Jaipur. The present report pertains to the work taken up by one of these teams.

### **About the village**

According to Census 2011 information the location code or village code of Burthal village is 080703. Burthal village is located in Bassi Tehsil of Jaipur district in Rajasthan, India. Burthal B.O Post office is located in Jaipur District (303012), State Rajasthan India. Post office Burthal B.O is a Branch or Sub Office(Delivery Type) Kanota S.O, which Head Post office is Dausa H.O is located at Bassi Town/Taluk of Jaipur District.

The total geographical area of village is 977.14 hectares.



### **Interactions and Data Collection through House-to-house Survey**

A *gramsabha* was called by the *Sarpanch* to inform the villagers about the engagement of MNIT Jaipur in the village development for which a house-to-house survey would have to be conducted. All the villagers were very positive about the proposal of having this survey.

The survey was done on a specific form provided by the Faculty Coordinators .A team of 3 faculty and staff from MNIT did the pilot survey using this form in a few households. Based on this experience, the survey was modified to some extent and this form was then used for all the remaining households. A group of 30 students from MNIT along with faculty and staff were involved in completing the survey the village in one day. The *Sarpanch* identified the elected member or his/her close associate from village to help the surveyors in identifying the households . The villagers were very cooperative in responding to the survey.



## 1. Demographic Profile:-

Total Household - 94

Total Population - 530

Gender Ratio - 938 Females per 1000 Males

Average Members per Family - 6

## 2. Land and Agriculture Resources:-

- Arable land agriculture Area(Acres) - 321.23
- Forest Area (Acre) - 0

- Housing/Abadi Area(Acres) - 9.88
- Waste land(Acres) - 14.99

### 3. Household Waste Collection:-

- Door Step - 10
- Common Point - 18
- No Collection System - 66

### 4. Connectivity of Burthal:-

Type	Status
Public Bus Service	Available within village
Private Bus Service	Available within village

### 5. Water Sources in the Household:-

- Canal - 0
- Tank - 0
- River - 0
- Borewell - 48
- Others - 2
- None - 44

### 6. Drinking Water Facility:-

- Piped Water - 15
- Community Tap - 24
- Hand Pump - 31
- Open Well - 25
- Other Resource - 37

### **7. Drainage Linked to Household:-**

- Covered - 22
- Open - 39
- None - 33

### **8. Average Annual Income per Family Across Prevailing Cast Category:-**

- SC - 75,621
- ST - 1,17,274
- OBC - 0
- GEN - 60,667

### **Composite Pit:-**

- Individual - 11
- Group - 3
- None - 80

### **PROBLEMS FACED BY VILLAGERS:-**

A meeting was organised at Burthal to know the current situation of village in various aspects of development. Various villagers, Sarpunch, VDO, Faculty coordinators (MNIT) and Student coordinators (MNIT) were present there. Many problems were brought out through discussion. A few of these are as follows:

1. No proper roads in the village.
2. Severe shortage of drinking water and quality of drinking water.
3. No drainage of wastewater (grey water). It flows through the streets resulting in all roads being slushy.

4. No place for putting garbage.
5. No primary health centre in the village.
6. Very few families have a toilet. Open defecation was a major issue.



## Objectives of Intervention

Based on the preliminary interactions with the villagers and the district/block administration, the objectives of the work to be carried out by the **MNIT JAIPUR Team** in this village was defined as follows:

1. To effectively *participate* in the development of the village TAMARIYA by preparing an integrated plan for the development of the village using eco-friendly sustainable technologies and local resources creating sufficient employment opportunities in the process, harnessing multifarious Govt. schemes.
2. To liaison with district administration and panchayati raj institutions and NGO's to help them prioritize the fund allocation to various developmental activities and provide necessary inputs on technologies to be implemented in the field.



## **Methodology:**

The objective can be met only when experts from various fields of knowledge come together to create an integrated plan for village development. The steps involved in the same can be enumerated as follows:

- (a) The first step towards this is identification of the areas in which MNIT Jaipur can provide technical inputs along with the experts who will be part of the team.
- (b) Subsequently, a coordinated effort has to be made with each expert helping in preparation of the plan for their component. This may require conducting village level surveys to get information required for preparation of the plan.
- (c) This will be followed by integration of all these components to prepare a holistic plan.
- (d) At this stage, the cost estimates for the plan will be obtained.

(e) This plan will be discussed with the District officials, viz., the DC, SDM, VDO and the Sarpanch to seek advice on which schemes can be used to provide funds for the same.

(f) The plan will now be presented to the Gram Panchayat and the Gram Sabha and fine-tuning will be done in the same if required considering the feedback from the villagers.

(g) It is proposed that after this, MNIT Jaipur team will be involved in providing the technical support in implementation of this plan, like, preparation of technical specifications in tenders, selection of the supplier, being part of the team to oversee the work to ensure compliance with the specifications.

(h) After implementation of the plans in each component, the MNIT team will also provide support in monitoring and evaluation of the same by guiding the technical personnel who can be hired by the Panchayat. MNIT team will also help these technical personnel in preparing the monitoring and evaluation report.

(i) Subsequently, a consolidated report will be prepared of all the experiences of the MNIT team related to the development work in the village BURTHAL followed by preparation of guidelines for participation of any technical institute in the development of a village.

## Plan of Activities

- Water management :-
  - Checking the current water supply sources in the village with all CPHEEO aspects. And ensuring that villagers get the potable and palatable water.
  - Need of drainage lines to check the problems caused by grey water.
  - Check the ground water quality and its abundance nearby the village.
  - To install water purifiers in village with the help of NGOs (correspondence **Prof. A.B. Gupta, MNIT Jaipur**)

- **Roads :-**
  - Roads in the village are same as of a typical village of Rajasthan.
  - Talks with the sarpanch are going on for the better transport for the villagers.
  - Some of roads are under construction and some are in good condition.
- **Solid waste management :-**
  - To analyse the plastic waste generated within the village.
  - Installation of dustbins along village roads.
  - To make the villagers understand about the waste management and its concern to the village environment so that wet and dry waste can be separated at house level.
- **Energy needs:-**
  - The village has nearly 19hrs electricity supply in a day.
  - To encourage people for green energy by biogas and solar energy and its benefits.
  - To identify and Prioritise the locations so that depending upon the availability of funds, street lights can be installed in a phased manner.
  - For the cooking purposes villagers should use the LPG and also people should know about various government schemes like UJJWALA YOJANA for the supply of LPG.
- **Health services:-**
  - The survey clearly brought out that the families which are poor and do not get good nutrition have many instances of frequent illness. Due to no health facilities in the village, they have to go to Chaksu or even to Jaipur if any specialised treatment is involved. Many a times, a small illness can get aggravated if they do not get the treatment in time.

- The village should have adequate hospital facility and also government or private doctors can come to check up on gap basis.
- **Cleanliness and sanitation:-**
  - Many villagers resort to open defecation but the construction of toilets is going on the village.
  - **MNIT UBA** team will ensure that villagers get enough motivation about sanitation so that we can erode the open defecation from root in the village.
- **Schools and Education:-**
  - There are schools and collages under 10 km radius.



- **Employment and skill development:-**
  - Many of the villagers are working on their job cards specially women.
  - Many have to go outside the village for their work and many just work in their fields.

- KVIC has been playing a very important role in promoting employment generation through the PMEGP (Prime Minister's Employment Generation Programme) scheme.so connecting the villagers with KVIC will be a good alternative.
- **Governance:-**
  - Sarpanch has been asked to digitalise the work of village so that it would be easier for anyone to get the feedback from the villagers.