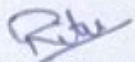


### Certificate

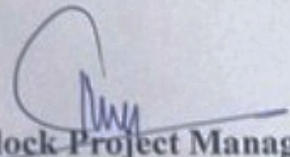
It is certified that the Subproject Development Plan for Flow Irrigation Scheme Gadhiman – Majhothi has been rectified and finalized after the necessary compliance to the observations/ comments raised by PMC Experts and same has been updated in the google sheet. The compliances to observations/ comments raised by PMC Experts are being enclosed as per Annexure-I.



**Agriculture Officer/**

**Agriculture Extension Officer**

Ritu Rani (Agriculture Officer).



**Block Project Manager**



**The observations /comments raised by PMC Experts in SDP for FIS  
Gadhiman- Majhothi And their Compliance:**

S.N.	Section/Table/ Paragraph	Observation Raised	Compliance	Remarks
1	Table 1	Pl check the source whether Jamlad Khad or Bhuran Nallah	Done	
2	Table 1	Crop diversification Index be calculated as per sheet attached.	Done	
3		No. of land owners is 73 whereas number of farmers seen in the Affidavit is 41 .Pl check to avoid complications during / after construction of Infrastructure. Also get attested from Notary Public,	Under process	
4		Resource map should show existing water sources, forests , grass land (ghasanies) and water source for FIS proposed etc .	Done	
5	Table 5	Number of HH is 68 while in Table 1 it is 46.	No of HH is 46 and No. of custodian farmers are 68	
6	In section 1.4	Pl mention distance in km from the village.	Done	
7	In section 2.2	It is mentioned that CCA is 14.91ha and land under cultivation is 16.21 ha. Pl check.	corrected	
8	In table 7	Pl check average farm size mentioned as 0.32.	Done	
9	In table 8	Farmers under different categories A=5+B=40+C=22 total 67 & 1 is missing.	corrected	
10	Table 14 ,	Land owners, Custodian and cultivators are more than 1 and 11 no idea which Khasra is	Done	



		being cultivated by whom. PI check .		
11	For Table 17 & 18 ,	PI use Template provided by SPMU.	Done	
12	PI add Table 19	For Vicinity means adjoining area, panchayat, block etc.	Done	
13	In Section 3	Cropping pattern of only 2 villages described whereas total villages under sub project are 4.	Done	
14	Complete Table 31	Based on HHS data.	Done	
15	In Section 4.2	Average holding is mentioned as 4.36 ha. - PI check	Done	
16	In Table 32 & 33	Area under Orchard is mentioned as 0.72 ha but in proposed plan area this is missing.	Done	
17	In table 35	Existing value chain it is mentioned that Peas as frozen – PI check.	Done	
18	In Table 38 & 39	Livelihood and Service sectors activities for first stage are mentioned as Agriculture .PI check with activities enlisted for such support.	Done	
19		Attachments I to VII not attached	Done	
20		In Summary section complete the information for 1 <sup>st</sup> Stage on the basis of HHS. Follow the instructions issued regarding SDP preparation by SPMU from time to time and use only the finalized template for SDP .	Done	
21		No change be made in the heading/ columns/ rows in the tables.	Done	
22		Other changes given in the soft copy of SDP may pl. be checked and added.	Done	

**The observations /comments raised by PMC Experts in SDP for FIS  
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<b>6</b>	In section 1.4	Pl mention distance in km from the village.	Done	
<b>7</b>	In section 2.2	It is mentioned that CCA is 14.91ha and land under cultivation is 16.21 ha. Pl check.	corrected	
<b>8</b>	In table 7	Pl check average farm size mentioned as 0.32.	Done	
<b>9</b>	In table 8	Farmers under different categories A=5+B=40+C=22 total 67 & 1 is missing.	corrected	
<b>10</b>	Table 14 ,	Land owners, Custodian and cultivators are more than 1 and 11no idea which Khasra is	Done	

		being cultivated by whom. Pl check .		
<b>11</b>	For Table 17 &18 ,	Pl use Template provided by SPMU.	Done	
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<b>21</b>		No change be made in the heading/ columns/ rows in the tables.	Done	
<b>22</b>		Other changes given in the soft copy of SDP may pl. be checked and added.	Done	







## DEPARTMENT OF AGRICULTURE HIMACHAL PRADESH



### SUB PROJECT DEVELOPMENT PLAN (SDP)

#### FIS Gadhiman-Majhothi



Block Project Management Unit: Gohar  
District Project Management Unit Mandi

## HIMACHAL PRADESH CROP DIVERSIFICATION PROMOTION PROJECT (Phase-II), HAMIRPUR (H.P)

## SUB PROJECT DEVELOPMENT PLAN

### FOREWORD

SUB PROJECT DEVELOPMENT PLAN in Himachal Pradesh Crop Diversification Promotion Project PHASE II is a document which is used to plan out the various needs and priorities of a farming community in selected sites. It is a dynamic document and strives to address the requirements of changing times. It has been planned to enable and motivate farmers to effectively resort to crop diversification/crop intensification, identify their needs and find means to fulfill them in a time bound manner. FAO guidelines have been followed in conformity with standard PRA techniques through process based planning to prepare this document. Livelihood Plan and Service sector skill development are new activities which offer alternative income to farmers. It also prepares grounds for Homestead agriculture, including ways to augment issues on Gender Mainstreaming and to start group based activity which pours in more money in to their pockets. On one hand, it plans for the optimum resource use while simultaneously eliciting the roles and responsibilities of a KVA/ farmers interest group/SHGs in its sustainable management there by fulfilling the condition of participatory irrigation management. Sub project development plan also registers the achievements, the gaps and the prospects of addressing new domains within the available and restricted resources. The resources and opportunities are few, the wants are many and challenges are high. It addresses the progress made so far, identifies the gaps in implementation of Phase I and explores the new possibilities including training needs. It will help in understanding and achieving the project indicators as all plans are GPS tagged. Community Based Social Monitoring instills confidence and empowers farming community. The innovations in the SDP formats are planned to address the issues and concerns of the farmer interest groups by the community, and for the community even beyond project cycle.

Dr. SUNIL CHAUHAN  
PROJECT DIRECTOR



## SUB PROJECT DEVELOPMENT PLAN

### ACKNOWLEDGEMENT

The Department of Agriculture Himachal Pradesh is implementing Himachal Pradesh Crop Diversification Promotion Project Phase II, a JICA funded project through H.P. Agriculture Development Society (a Registered Body under H.P. Cooperative Societies Registration Act, 2006). The project covers all Districts of Himachal Pradesh. There are 306 Sub project sites covering 26000 households which are targeted to be transformed to provide micro irrigation facilities and sustain them through Participatory Irrigation Management. The farming community is to be motivated, regrouped and trained to adopt crop diversification and intensification. Besides this various livelihood programs for resource poor have been designed including group production and marketing.

SUB PROJECT DEVELOPMENT PLAN has been formulated in accordance with the Project Document, enabling the KVS members to make plans in their cropping pattern according to the changing needs and priorities for sustainable development. This document will also help the communities to review the progress made against the plan and to put-forth focused efforts in accomplishing the work within stipulated time line. Working Group was constituted for facilitating preparation of SDP and questionnaire was designed by the committee for collection of data on (a) Demographic status, (b) Socio-economic conditions of the villagers, (c) Resources available in the village etc. The questionnaire was designed to facilitate (1) Assessment of current land use pattern and formulation of proposed land use pattern, (2) Participatory resource-based land-use planning, (3) Identification of livelihood needs. Participatory Rural Appraisal (PRA) exercise including group discussion, experience sharing, one to one discussion with the villagers etc. was conducted to promote people's participation in project planning, implementation and monitoring. Information on various issues concerning crop diversification was explained to the villagers. Preparation of existing land use map, seasonal Calendar (Cropping season) and wealth ranking exercise were completed during PRA activities. The principle of participatory land use planning was adopted with available technical inputs and in consultation with all the stakeholders. House-hold survey was carried out in the village covering all KVA families. Transect walk was done by the Working Group along-with some local farmers. During transect walk, inputs were obtained from the field for deciding upon the suitability of the proposed land-use. GPS reading of the prominent sites/spots visited by the Working group were also recorded. Awareness programmes, meetings and work-shops were conducted.

Our sincere gratitude is due to the PMC Experts particularly, Sh. Suman Sijapati, International Team Leader; Sh. Anil Kumar Agarwal CTL; Dr. R.K. Dogra and Dr. R.K. Sharma PMC Experts, PMC office staff for their valuable inputs in drafting this document. Gratitude is also due to Extension officers of SPMU, DPMU, BPMU and all Field Officers for their valuable contributions in finalizing the document. It gives me immense pleasure to express our sincere gratitude to Dr. Sunil Chauhan, Project Director, for his constant support and guidance in finalizing the document.

Dr. Shashi Pal Sharma  
Deputy Project Director

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**SUB PROJECT  
INFORMATION**

# **SECTION I**



## SUB PROJECT DEVELOPMENT PLAN

### Sub Project Development Plan

Period of SDP: *Four years (2023.to2027)*

Date of approval of SDP by KVA:.....

Date of approval of SDP by DPMU:.....

### **Key team members who facilitated the Preparation of SDP :-**

Sr.No	Name of Team Members	Remarks
1	Sh. Dharam Chand Chauhan	Block Project Manager Gohar, Department of Agriculture.
2	Sh. Suresh Kumar Soni	Agriculture Development Officer Gohar, Department of Agriculture.
3	Ms. Ritu Rani	Agriculture Officer, Masters in Agriculture Entomology, CSKHPKV Palampur. Working in HPCDP JICA ODA Phase II, Gohar (H.P).
4	Mr. Tarun Kant	Junior Engineer, B.Tech.in Civil Engineering, Institute of Engineers, India (IEI), Kolkata. Working in HPCDP JICA ODA Phase II, Gohar (H.P).
5	Mr Sandeep Kumar	Supervisor, Diploma in Civil Engineering, Dr. B.R. Ambedkar Government Polytechnic College, Ambota,Una (H.P). Working in HPCDP JICA ODA Phase II, Gohar (H.P).

## Concept of Community organization for effective project planning and implementation

Project need to be designed in a way that its interventions are directed towards the identified **FOCUSED GROUPS**.

Constituent's beneficiaries in a KVA shall be the pool to identify various focused groups. **KVA (Krishak Vikas Association)** is the general group of beneficiaries who may have varied resources, needs and inclination towards crop diversification. Out of these diverse beneficiaries, the project must segregate them into small focused groups in line with the specified project interventions. As a Project team we should spearhead the support to different focused groups below the line of advance farmers groups in a way that they rise to become an advanced farmer for higher and sustainable income from different farm enterprises.

- I. **MC (Management Committee)** is the first focused group, they are to be skilled on Project Management for the effective and efficient mobilization of resources. They are to be developed as good leader & manager.

### II. **Farmers Groups:**

- **First is the Advance Farmer Groups.**

They are the individuals/ farmers who consider the project intervention as an opportunity to build their source of income through advanced farming as an enterprise.

These farmers may be identified grouped on basis of local situation irrespective to their resources and inclination towards the farming as an enterprise.

They have high interests towards any innovation and try to improve their skills and earn more profit.

- **Second is the Intermediate Farmers Group.**

They are the farmers, who do not consider farming as an opportunity to build their livelihood despite of valued land ownership.

These farmers are basically not so positive towards crop diversification as well as cultivation of commercial crops therefore they need to be motivated towards crop diversification by showing the result at the advanced farmers' fields, but need to be the part of planning and evaluation input from the beginning to the possible extent.

- **Third is the Conservative/Subsistence Farmer Group.**

They are the farmers who are intermediate to category 1 and category 2 mentioned above. There are the potential beneficiaries who adopt crop diversification immediately after observe the good result at the fields of advanced farmers.

Theses farmers are more interested in getting more production and more profit. Maximum efforts should be made to bring farmers from conservative farmer category to advanced farmer category.

### **III. Vulnerable Farmers**

In the Minutes of Discussion for HPCDP Phase-II (MoD) it has been provided that 10% of farming families of the project area may fall into the category of vulnerable farmers. In MoD it is also mentioned that not all farmers are target of livelihood activities but they may be from any of the above specified categories along with BPL families, handicapped farmer headed families, landless farmers (if any). Special emphasis will be given in identifying such families and minimum number be maintained in a sub project and realistic families to be included.

### **IV. SHG – Self Help Groups**

Self-Help Group is intermediary committee usually composed of 10 to 20 members. SHGs are informal association of people who come together to find ways to improve their living standards. It can also be defined as self-governed peer controlled information group of people with similar socio economic back ground and having the desire to collectively perform common purpose. Member in group may also make small regular saving contributions over a few period and funds collected can be lend to members on minimum interest rate, SHG group consist of woman headed families, landless farmers and actively working group.

### **V. Youth**

The involvement of youth in agriculture is vital as they are more energetic productive and receptive to new ideas and they are more in touch with advance technology.

Programme for next generation has potential to involve the youth both undergoing education, as well as those looking for career. The proposed programme not only motivates youth to go for education in agriculture but also to take up capacity building and entrepreneurship avenues in this sector.

Farmers of above mention categories will be provided with different cultivation skills trainings and demonstrations in the project, as project goal is to improve farmer's income by diversification of farm crops and adoption of new enterprises. To achieve project goal, first step is to provide technical support on crop cultivation and livelihood activities for bottom to up farmers along with infrastructure development in the sub project.

Second, support on establishment and capacity development of FPO's. FPO's will be formed and run by advanced farmers of sub project.

Third and final step mandis and private sector for agribusiness will be supported to activate farmer's agriculture business. Along with this project also provides provision of Farm Machinery for optimal utilisation of resources and economy in time. It has also been observed that in agriculture, involvement of female workers is more in comparison with male workers; therefore no gender discrimination will be done for providing benefits of farm mechanization. Selection of farmers will be done as per the approved list of various groups of farmers by KVA and farmers will be rationalized by the project on the basis of performance of different categories of farmers at particular sub project.



## SUB PROJECT DEVELOPMENT PLAN

### General Profile of Krishak Vikas Association (KVA):

After series of meetings and sensitization in the village, the beneficiary farmers were organized into **KVA** and **Management Committee (MC)** members were elected collectively by all beneficiary of sub project. The sub-project comprises of 14.91 ha. CCA and farmers from Four Village viz: Gadhiman, Majhothi, Maktothi, Majhvas & Thunadi.

The KVA have also framed its By- laws, rules and regulations and submitted Memorandum of Association to SDM Gohar for registration under H.P Society Registration Act 2006.

#### (a) Introduction KVA

1. **Name of KVA:** Kashmiri Mata KVA Gadhiman-Majhothi, Gram Panchayat- Majhothi, Tehsil-Chachayot, District- Mandi.
2. **Date of KVA Formation:** 19-01-2022
3. **Date of KVA Registration:** 29-03-2022
4. **KVA Registration No:** HPCD-8731
5. **No. of MC Members:** 9







#### (b) Detail of Management Committee:

Date of Formation: 19-01-2022

Tenure of Management Committee (3 years)

S.N.	Name of Farmer	Name of Father/Husband	HPCDP Family Reg. No.	Designation	Address	Photographs
1	Chetram	S/O Piruram	G/58	President	Vill Majhothi, PO. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
2	Tirthraj	S/O Khemchand	G/52	Vice-President	Vill Majhothi, PO. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
3	Bodhraj	S/O Hemraj	G/28	Secretary	Vill Majhothi, P.O. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	

## SUB PROJECT DEVELOPMENT PLAN

4	Daleep Kumar	S/O Lokraj	G/50	Cashier	Vill Gadhiman, P.O. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
5	Dhameshwar Dutt	S/O Baliram	G/65	Member	Vill Majhothi, PO. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
6	Gaurja Devi	W/O Uttamchand	G/3	Member	Vill. Gadhiman, P.O. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
7	Babli Devi	W/O Premchand	G/29	Member	Vill Majhothi, P.O. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
8	Dimpla Devi	W/O Rajesh	G/34	Member	Vill Majhothi, P.O. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	
9	Naveen Kumar	S/O Jeevanlal	G/54	Member	Vill Gadhiman, P.O. Devdhar, Teh. Chachyot, Distt. Mandi, H.P. 175029	

### **Willingness of Community:**

The village community approached BPMU Gohar and requested for creation of irrigation infrastructure in the village from perennial water source i.e. Majhwas Nallah. The BPMU Engineering and Extension staff made preparatory visits to the sites and verified the source of irrigation water, CCA, measured the water discharge and checked the willingness of community for participation. Meetings and Awareness camps were organized for the village community and explained in detail the various project activities to be implemented under

## SUB PROJECT DEVELOPMENT PLAN

HPCDP Phase II. The community gave undertaking for post project operation and maintenance of irrigation facilities and agreed for crop diversification and other livelihood programs.

### Affidavit

**Collective Affidavit of Willingness for Irrigation Schemes**

**To whom it may concern**

We, all beneficiary farmer, declare without under any pressure and being fully conscious that weall are connected/ related with F.I.S. Gadhiman - Majhoti Irrigation Scheme. Village... Majhoti P.O. Devdhar Teh. Chachayot Distt. Mandi, State Himachal Pradesh with the help of project management unit (PMU) of Himachal Pradesh Crop Diversification Promotion Project (HPCDP) with the assistance of Japan International Cooperation Agency (JICA).

1. We will provide full support to complete the project work for F.I.S. Gadhiman - Majhoti Irrigation Scheme which is being constructed by PMU of HPCDP with the help of Japan International Cooperation Agency (JICA).
2. We will not have any objection and will not create any obstruction at the site where construction work i.e. Head weir, percolation well/sump well, Pump house laying of rising main distribution tank, Regulation tank, outlets, pipelines, water hydrants, solar panel, electricity transformer, SOP etc and laying of pipelines in farmers fields are to be taken.
3. We all farmers will provide full support to any person/ Agency/ Krishak Vikas Association (KVA) and PMU of HPCDP for irrigation scheme supported by Japan International Cooperation Agency (JICA).

(23) Apurva s/o Dhandev village Majhoti Apurva

(24) Chinta devi s/o Dolaram Chinta Devi

(28) Devinderpal s/o Narayandas Devinderpal



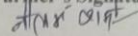
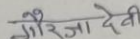
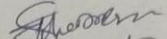
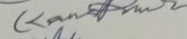
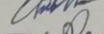
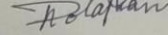
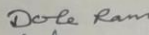
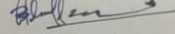
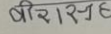
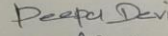
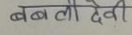

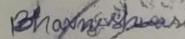
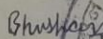


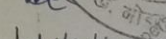
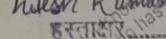
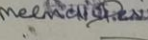
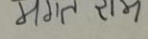
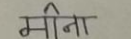

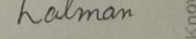
## SUB PROJECT DEVELOPMENT PLAN

Himachal Government Judicial Paper

4. Any farmer whose land is utilised under the irrigation scheme will not claim any compensation.
5. After completion of the Flow Irrigation Scheme Gadgilman - Majurthi all the beneficiary farmers will provide full support to Management Committee for the maintenance of percolation well/sump well, Pump house laying of rising main distribution tank, Regulation tank, outlets, pipelines, water hydrants, solar panel, electricity transformer and also we all beneficiary farmers will be responsible to pay electricity bill and other bill.
6. We shall take over the irrigation scheme including different related structures developed under HPCDP-JICA Phase II after its completion and shall taken responsibility of its operation and maintenance at our own resources.
7. Beneficiary farmers who take water from KVA will pay water tariff as per the rate fixed by the KVA.

Sr. No. Name &amp; address of the farmer

**Farmer's Signature**

- | Sr. No. | Name & address of the farmer                    | Farmer's Signature  |
|---------|---|---|
| ①       | Neelam Kumar 90 Dhameshwar Dutt Vill. Thunadi   |     |
| ②       | Gaurjo Devi w/o Uthamchand " "                  |     |
| ③       | Tirthraj 90 Khemchand vill. Majhoti             |     |
| ④       | Kanshiram 90 Baliram " "                        |     |
| ⑤       | Chetram 90 Pissuram vill. Gadhimau              |     |
| ⑥       | Dolaram 90 Lalman vill. Majhoti                 |     |
| ⑦       | Doleram 90 Nagnuram " "                         |    |
| ⑧       | Bodhray 90 Hemraj " "                           |   |
| ⑨       | Veer Singh 90 Dileram " "                       |   |
| ⑩       | Deepa devi w/o Tirthraj " "                     |   |
| ⑪       | Babli devi w/o Premchand " "                    |   |
| ⑫       | Dimple devi w/o Rajesh " "                      |   |
| ⑬       | Bhuvneshwari w/o Narendra Prakash vill. Majhoti |   |
| ⑭       | Bhushan 90 Jhanspal " "                         |   |
| ⑮       | Naveen Kumar 90 Govindal " Majhwal              |  |
| ⑯       | Daleep 90 Lokraj vill. Majhoti                  |  |
| ⑰       | Lutesh Kumar 90 Premchand " "                   |   |
| ⑱       | Meena devi w/o Mohanlal " "                     |   |
| ⑲       | Mangatram 90 Chamar " Majhoti                   |  |
| ⑳       | Meena devi w/o Baduram " Majhoti                |  |
| ㉑       | Lalman 90 Tilakram                              |  |
| ㉒       | Gita Sharma w/o Kunal Kishan                    |  |
| ㉓       |   |  |

## SUB PROJECT DEVELOPMENT PLAN

### Photographs of Micro planning process



Transect walk and identification of Khasra wise detail of Land owner, Custodian, Cultivator.



Identification of Khasra wise detail of Land owner, Custodian, Cultivator.



Resource Mapping



Meeting with farmers regarding categorization of various groups



## SUB PROJECT DEVELOPMENT PLAN

### 1. SUB PROJECT INFORMATON

#### 1.1 Salient Features

- Name of Sub project: Gadhiman-Majhothi
- Type of Scheme: Flow Irrigation Scheme
- Source of irrigation water: Majhwas Nallah (Perennial)
- District: Mandi
- Assembly Constituency: Seraj
- Gram Panchayat: Majhothi
- DPMU: Mandi
- BPMU: Gohar
- Satellite Office: Gohar
- Distance to the nearest APMC- 14 Km (Chailchowk)
- Sub Market Yard - 14 Km (Chailchowk)
- Distance to the Local Market: 8 Km (Gohar)

**Table 1: Sub Project at Glance**

Sr. No.	Description	Units	Value
1	Estimated Cost (Irrigation Infrastructure Development)	Lakhs	44.55
2	GCA	ha	25.21
3	CCA	ha	14.91
4	Cost Per Ha	Lakhs	2.99
5	No. of beneficiary farmers (as per revenue record)	No.	73
6	No. of Household (household survey including absentee)	No.	46
7	No. of Land Parcels (chaks)	No.	28
8	Irrigation Intensity (Existing)	%	58.74
9	Irrigation Intensity (Projected)	%	197.00
10	Cropping Intensity(Existing)	%	194.00
11	Cropping Intensity (Projected)	%	228.00
12	Cost Benefit Ratio	Ratio	1:2.07
13	Baseline Crop Diversification Index	%	0.68

(Source: DPR)

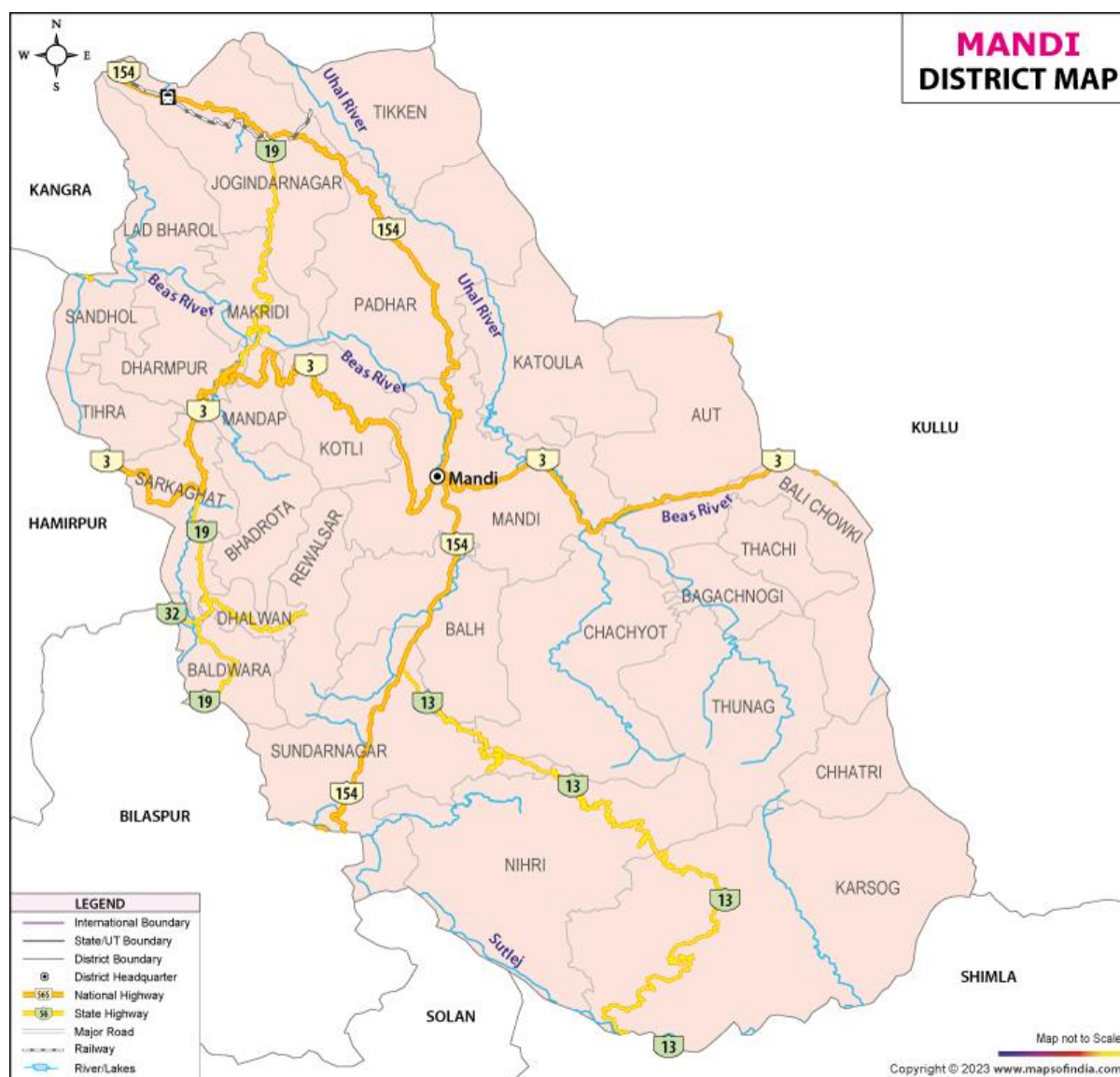
## SUB PROJECT DEVELOPMENT PLAN

### Location of Sub Project Site:

Latitude -31°33'51.44"N

Longitude- 77°04'11.47"E

The Sub-Project is located on the Chailchowk-Kharsi-Devdhar road and is 14 Km away from Chailchowk. The Sub-Project is about 10 Kms from block headquarter Gohar. It is situated at 1490 m amsl and the area falls under agroclimatic zone -III having sandy loam soil. The CCA falls under Patwar circle Majhothi and having hadbast number 122 containing 212.No. of Khasras. The CCA consists of 2 villages namely Gadiman and Majhothi. Gadhiman and Majhothi are small villages/hamlet in Chachyot Tehsil in Mandi District of Himachal Pradesh. It is located 31 Kms towards South from district headquarter Mandi.



(Source: Google Map)

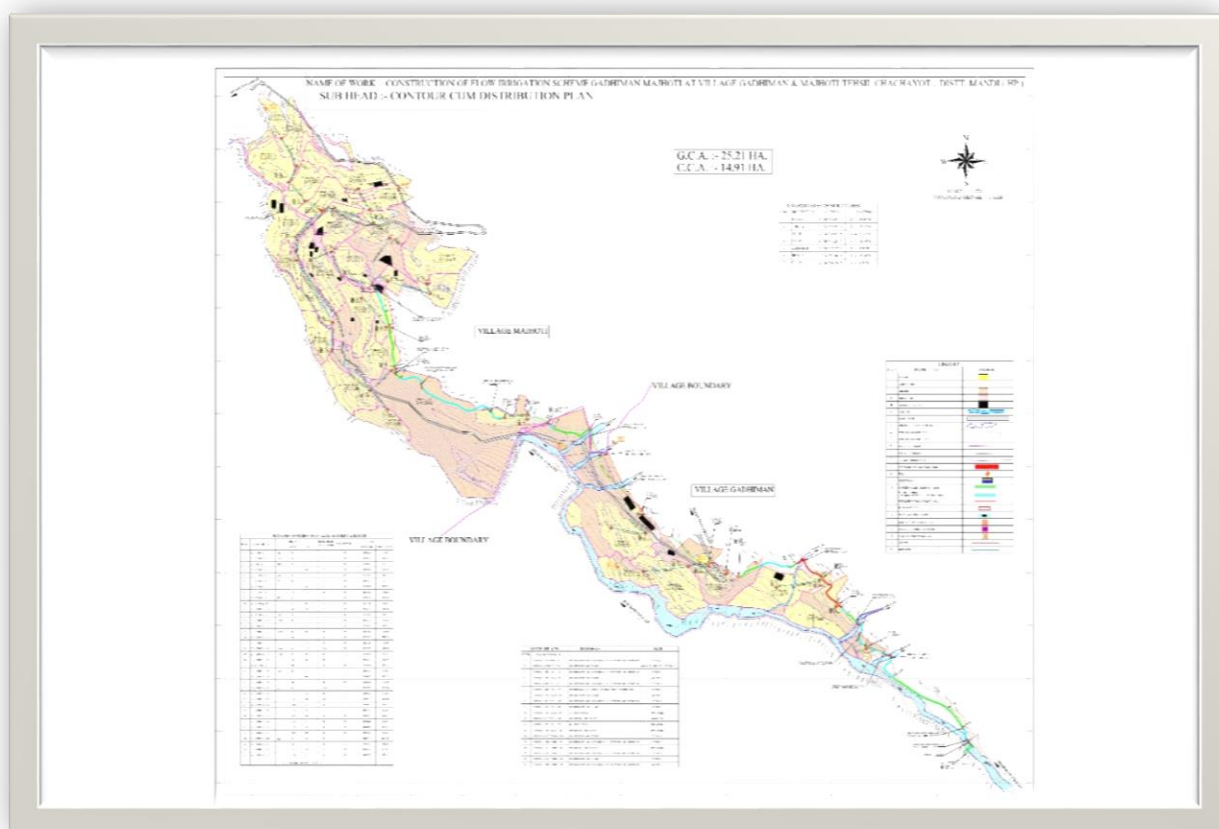
### Village Resource Map (prepared by community through PRA method):

Source: PRA Exercise (Resource Mapping)

## SUB PROJECT DEVELOPMENT PLAN



## GIS Survey Map (CCA):



### 1.2 Demography Data of Sub-project

As per the Household survey and meetings with farmers, different types of data are captured and consolidated in below mention tables.

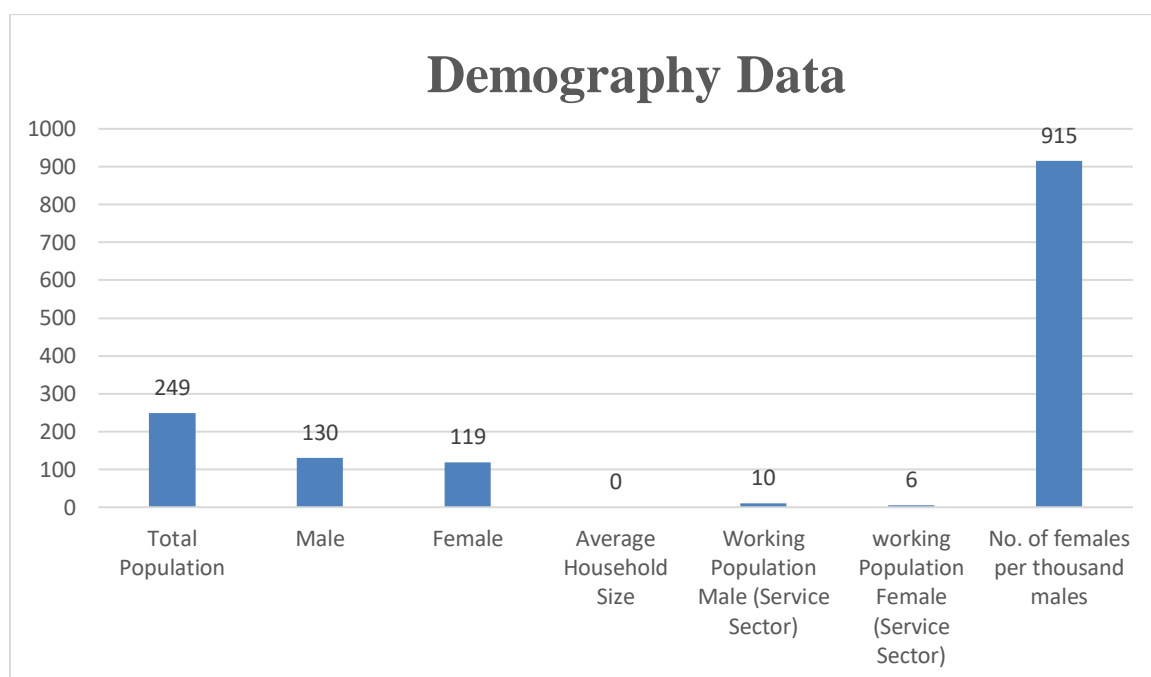
**Table 2: Demographic Data (HHS)**

Particular	Number
Total Population:	249
1. Male	130
2. Female	119
No. of Household	46
Average Household size	5
Working population male (Service sector)	48
Working population female (Service sector)	20
No. of females per thousand males	915

(Source: HHS)

Source : DPR

## SUB PROJECT DEVELOPMENT PLAN



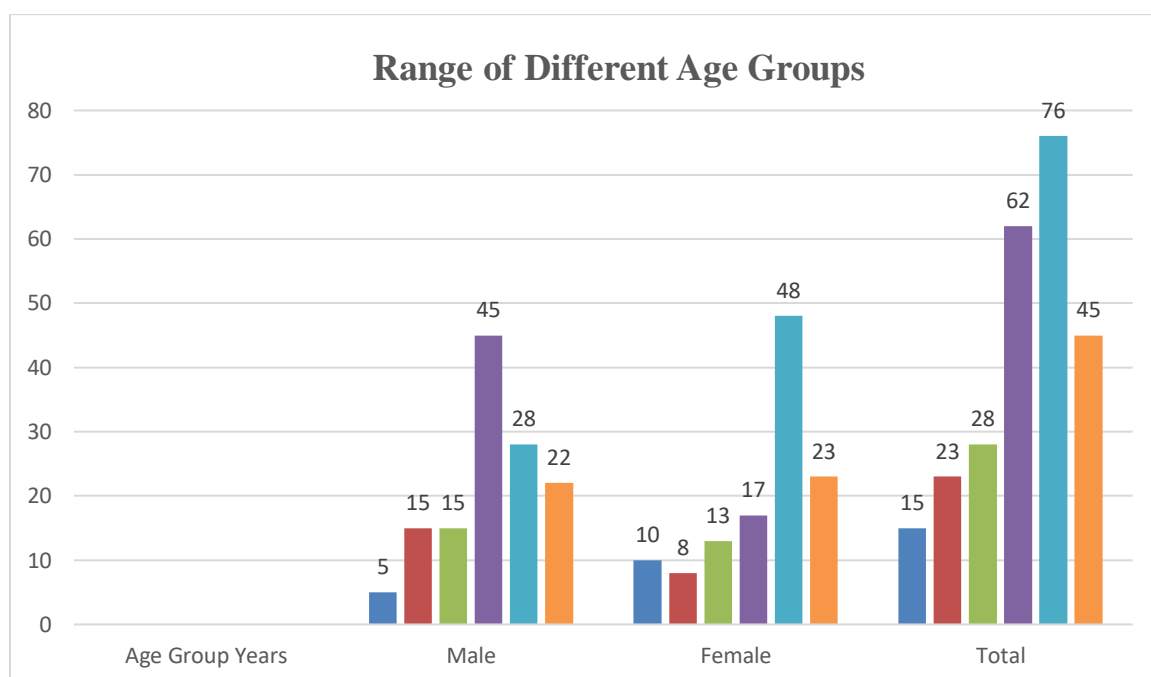
**Table 3: Range of Different Age Groups:**

Sr. No.	Age Group Years	Male	Female	Total	Remarks
1	0-06	5	10	15	..
2	>06-12	15	8	23	..
3	>12-18	15	13	28	..
4	>18-40	45	17	62	..
5	>40-60	28	48	76	..
6	60+	22	23	45	..

(Source: HHS)



## SUB PROJECT DEVELOPMENT PLAN

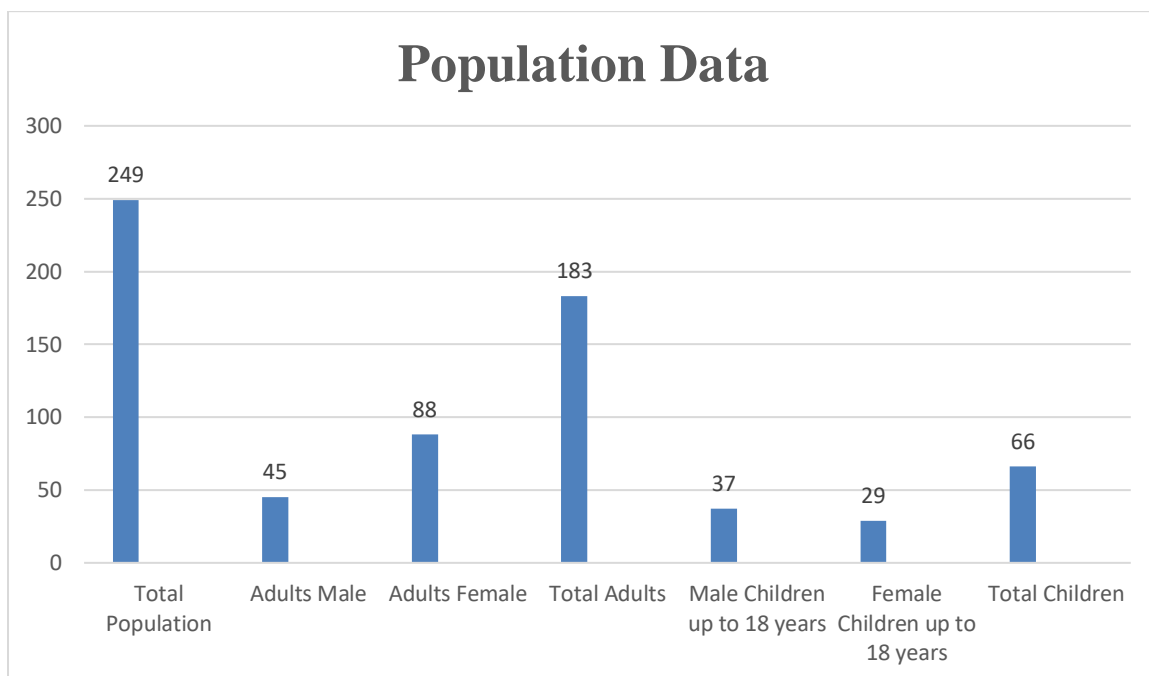


**Table 4: Population Data**

Source: HHS

<b>Total Population</b>	<b>206</b>
Adults Male	75
Adults Female	65
Total Adults	138
Male Children up to 18 years	35
Female Children up to 18 years:	31
Total Children	66

## SUB PROJECT DEVELOPMENT PLAN



**Table 5: Social Composition**

Category	No of households	% of total households	Remarks
General	35	76.1	
OBC	-	-	
Scheduled Caste	11	23.9	
Scheduled Tribe	-	-	
Total	46	100	

(Source: HHS)

- ✚ **Total Number of Households: 46 No.**
- ✚ **Total number of resident households: 45No.**
- ✚ **Number of non-resident household: 1 No.**
- ✚ **Female headed households: 7 No.**

### 1.3 Literacy Rate

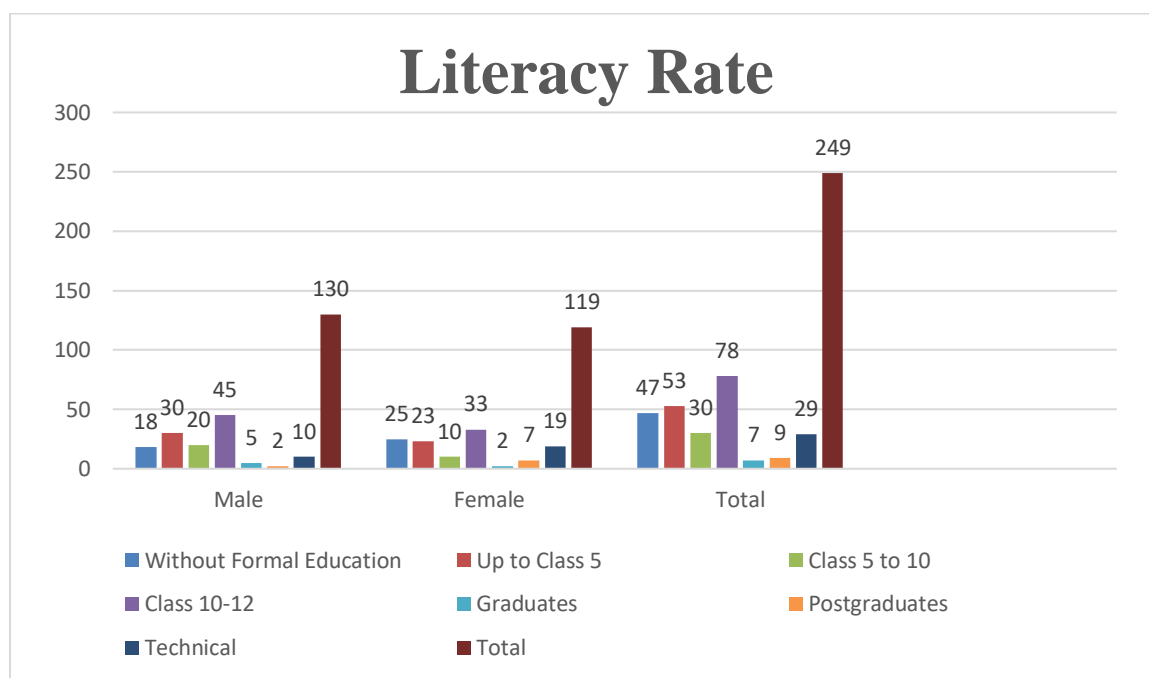
**Table 6: Educational Status**

Sr. No.	Education	Male	Female	Total
1	Without Formal Education	18	25	47
2	Up to Class 5	30	23	53
3	Class 5 to 10	20	10	30
4	Class 10-12	45	33	78
5	Graduates	5	2	7
6	Postgraduate	2	7	9
7	Technical	10	19	29
	<b>Total</b>	<b>130</b>	<b>119</b>	<b>249</b>

## SUB PROJECT DEVELOPMENT PLAN

(Source: HHS)

 **Literacy rate: 82.7%**



### 1.4 Access to Basic Facilities/ Services

#### a) Health services:

PHC is located at Majhothi, which lies at 0.5 km distance from sub project.

District Hospital/ Medical College is at Nerchowk Mandi.

#### b) Veterinary services:

The facility of veterinary services lies within the sub-project at distance of 1km.

#### c) Agriculture Service Centre:

Agriculture sale centre is available at Gohar, which is 8 km away from sub project and farmers can purchase Agri inputs and seek information related to agricultural crops.

#### d) Lok Mitra Kendra:

Lok Mitra Kendra is available at Gohar which is 8 Km away from Sub Project.

#### e) Education Institutions:

Anganwari: It is available within village at a distance of 1 Km

Primary School: Primary School, Maktothi, which lies within sub project at distance of 2 Km.

Higher Sec School: Government High School Gohar, which is 8 km away from sub project.

College: Government Degree College Bassa, Gohar, Mandi, H.P.

#### f) Transport:

Village is connected through village road with Link road to Kandha Bagsaid and bus service and transport is available at the scheme.

#### g) Cooperative society:

Cooperative society is available at Devdhar, which is 1 km away from sub project.

#### h) Markets: Local Market is available at Gohar (8 Km) for daily needs.

#### i) Banks: The nearest bank is Punjab National Bank, Gohar and is 9 Kms away from sub project.



**RESOURCE  
MAPPING OF  
THE VILLAGE**

## **SECTION II**

## 1. RESOURCE MAPPING OF THE VILLAGE

### 2.1 Water Resources

There is no facility for irrigation despite availability of a perennial water source i.e Majhwas Nallah. Presently farmer are dependent on periodic rain for agriculture. Jal Shakti Vibhag of Himachal Pradesh Government supplies drinking water to the households.

### 2.2 Land Resources:

- a) **Total land GCA:** 25.21 ha
- b) **CCA:** 14.91 ha
- c) **Land under cultivation:** 14.91 ha
- d) **Irrigated Land:** 0 ha

**Table 7: Landholding Categories:**

Landholding Categories	No. of Farmers
Marginal Farmers (<1 ha)	67
Small Farmers (1.00 to 2.00 ha)	1
Medium Farmer (2.00 to 4.00 ha)	0
Large Land holding farmers (> 4.00 ha)	0
Total CCA held by small farmers (ha)	1.12
Total farmers (in No)	68
Average farm size of farmers in CCA in ha	0.219

(Source:HHS)

#### 2.2.1 Soil Status and Health

The average pH of the soil falls within the range of 6.5 to 7, indicating a neutral to slightly acidic reaction. This pH range is generally favorable for growing most of the crops including vegetables. The fields are slightly sloppy, fragmented, and well-drained, which is beneficial for plant growth. The soil's texture is sandy loam and type of soil is Non-Calcic brown soils. The soil depth least 30 centimeters (12 inches) which is preferred for crops. The Organic carbon ranges from low to medium, available potassium from medium level, Nitrogen ranges from low medium, Phosphorus ranges from medium to High level. The micro-nutrients elements like iron, manganese, zinc, copper etc. are also sufficient in soil.

<b>Latitude</b>	31°33'51.44"N
<b>Longitude</b>	77°04'11.47"E



## SUB PROJECT DEVELOPMENT PLAN

Type of Soil	Non calcic Brown soils
Texture of the soil	Sandy loam
Agro climatic Zone	Sub Mountain sub-tropical Zone II

### 2.3 Human Resource:

In view of the complications of revenue record w.r.t. the ownership of land, the team worked with the farmers to ascertain legal heirs of the land, marked in the ownership of different land-owners in the sub-project. This exercise not only helped to identify actual target beneficiaries of the project interventions but also to mark the distribution of the land that they owe as legal heirs in the CCA. As per the baseline survey and farm walks and revenue record, the team identified different land owners, custodians (legal heirs) and cultivators and farmers are categorized into three groups namely **Advance, Intermediate, Conservative.**

**Beside this one more category of farmers has been carved out of all these which fall under the group of Vulnerable families (Refer Table No 13).** This has been done as per present status of crop diversification, livelihood activities etc.

Youth group i.e. 19 to 40 years are also identified, however maximum numbers among these are involved in professional jobs or business. Farming is practiced by farmers more than aged 40 years along with few youth members.

#### Details of categories of families under Sub Project:

S. No.	Particulars	Nos.
1	No. of Land Owner Families	72
2	No. of Custodian Families	68
3	No. of Cultivator Families	65
4	No. of Absentee Families	1
5	No. of Specially Abled Families	3
6	No. of women headed families	1
7	No. of BPL families	7

#### 2.3.1 Farmers Categories for crop diversification:

Extensive exercise and various field visits were conducted at sub project. Various PRA tools were applied to understand the cropping pattern and land data. Group meetings were conducted to categorize farmers into Advance (A), Intermediate(B), Conservative(C) and Vulnerable (D)groups,

## SUB PROJECT DEVELOPMENT PLAN

**Table No: 8 Detail of different group of farmers (Pre project interventions)**

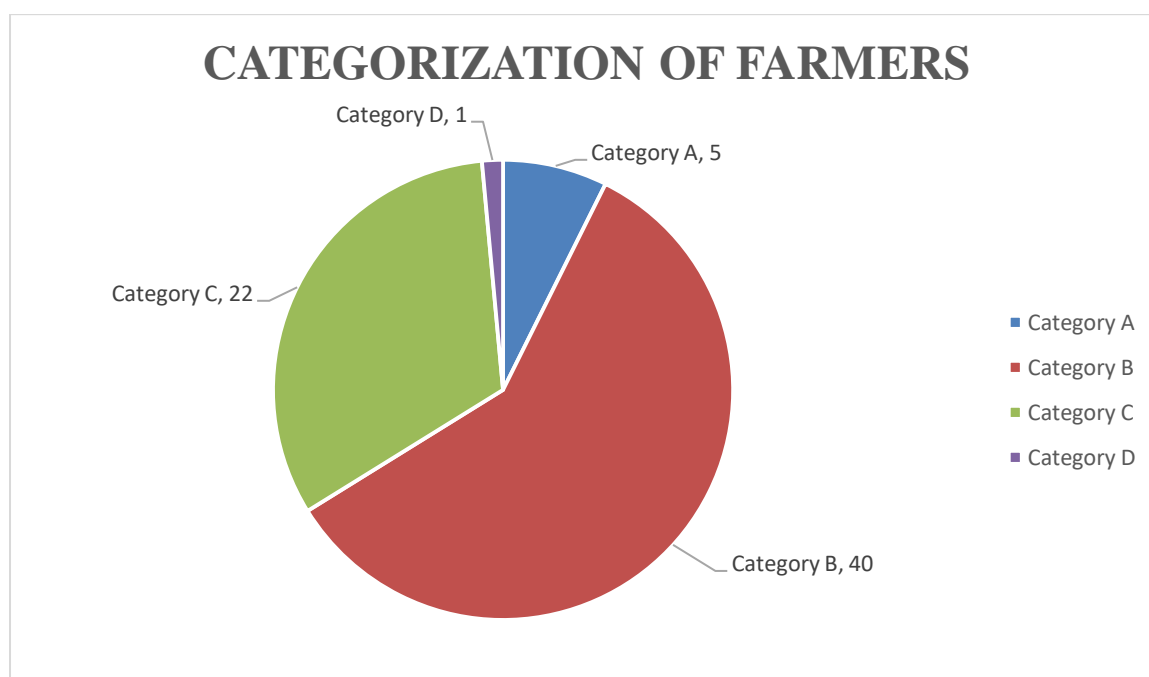
<b>Advance (A)</b>	<b>Intermediate (B)</b>	<b>Conservative (C)</b>
Chet Ram	Dhameshwar	Pawan S/o Shobha ram
Sher Singh	Ramchandra	Dola ram s/o Vali Ram
Anil Kumar	Hansraj S/o Mayadhar	Kanshi Ram
Prem Lal	Naryan das	HiraLal S/o Punne Ram
Nagender Pal	Uttam Chand S/o sevak ram	Mangat ram
5	ChunniLal	Bodu Ram
	Narayan singh	Gaunu Ram
	Hari Singh	JeevanLal
	Man Singh	Murarilal S/o Damodar
	Nokhu ram	Dola ram S/o Lalman
	Devender Kumar s/o Damodar	Gaurja Devi
	Chudamani	Lokraj
	Kheeramani	Brikam Das
	Lalman	Leela Devi w/o Nagender Pal S/o Durga Das
	Mast ram	Ishwar das
	Shivlal	Netar Singh
	Bhagirath	Uttam Chand S/o Govardhan
	Balakram	Naresh Kumar
	Balwant Kumar	Neelmani S/o Bali ram
	Devender Pal S/o Narayan	Dole ram S/o Nagnu
	DhameshwarDutt s/o Bali ram	Raju
	Hem Raj S/o Ramchandra	Mohan s/o shobha ram
	Premchand	22

## SUB PROJECT DEVELOPMENT PLAN

	Ganeshchand	Nageshwari Devi
	Gyanchand	
	Hem Singh S/o narayan	
	Dinannath S/o narayan	
	Murari La S/o nandal	
	Devender S/o Nandlal	
	Chavinder pal s/o Dinanath	
	Naratu Ram	
	Mohan Lal	
	Jhans Pal	
	Bhoop Singh	
	Man Singh	
	Dhandev	
	Tirthraj	
	Hansraj S/o Durga Devi	
	Kashmir Singh S/o Durgadevi	
	Naresh Kumar S/o Nandlal	
	40	

**Total: Category A-5, Category B-40, Category C-23**

## SUB PROJECT DEVELOPMENT PLAN



### 2.3.2. Categorization of farmers for livelihood support(Vulnerable Group-Category D)

There are 68 No. of families in the KVA out of which 1 No of families are absentee. These 68 farming families have varied land ownership. On the basis of annual income from different sources, physical assets, livestock etc, data for wealth ranking collected through PRA tools. Data analysed and interpreted in the “Table No 10”. Out of 68 No’s of Families 5 No’s are categorized under Category “Z” (BPL families and women headed families, as per Gram Panchayat record). The project has considered to support such members of the KVA who are socially vulnerable and crop diversification may not be suitable for them for the purpose of extending livelihood support through on/off farm activities. However, to make it more yielding the maximum number of such families is restricted to 10 % of the total member’s families of KVA. The selection of these eligible vulnerable families has been made out of the following category of member families of the KVA and approved by its general house.

- Women/men under BPL category
- Women/men with disability
- Female headed household without assured income
- Single women (widow/separated/deserted/unmarried)
- Having very less land or landless families

## SUB PROJECT DEVELOPMENT PLAN

**Table: 9 Detail of specially abled farmers (if any) in the Sub Project**

S. N.	Name of the farmer	Name of the Father/Husband	HPC DP Family Reg. No.	Age	Educa tion	Current Occupation	Scope of income generation from project interventions including livelihood support
1	MurariLal	S/o Nandlal	P290/GOH/GAD HIM AN/4 6	48	5th pass	Farmer	Dairy farming
2.	Pawna Devi	D/o Nandlal	P290 /GOH /GAD HIM AN/4 6	49	5th pass	Govt. Job.	Not required
3.	Chudamani	S/o Damodardas	P290/GOH/GAD HIM AN/1 8	34	12th pass	Govt. Job. MTW	Polyhouse for protected cultivation

**Table: 10 Detail of Women headed families in the Sub Project:**

S N	Name of the women	Name of the Father/Husband	HPCDP Family Reg. No.	Age	Source of income	Annual Family Income (in Rs.)	Scope of income generation from project interventions including livelihood support
1	Guarja Devi	W/o Uttam Chand	P290/GOH/GADHIMA N/3	52	Farming/Agriculture, She is MahilamandalPradhan,Sells her cow milk at milk plant Chakkar also her son is working	2,50,000/-	-

**Table: 11 Detail of Below Poverty Line (BPL) families in the Sub Project**

SN	Name of the farmer	Name of the Father/Husband	HPCDP Family Reg. No.	Present Source of income	Scope of income generation from project interventions including
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## SUB PROJECT DEVELOPMENT PLAN

					<b>livelihood support</b>
<b>1</b>	Dinannath	S/o Narayan	P290/GOH/GADHIMA N/37	Agriculture and Labour	Service Sector training (Mason work)
<b>2</b>	ChunniLal	S/o Narayan Singh	P290/GOH/GADHIMA N/9	Oldage pension, Agriculture and Carpenter (son) Revat	Service Sector training (Carpenter)
<b>3</b>	DhameshwarD utt	S/o Bali ram	P290/GOH/GADHIMA N/65	Agriculture and Mason	Service Sector training (Mason work)
<b>4</b>	Chudamani	S/o Damodardas	P290/GOH/GADHIMA N/18	Agriculture and Labour	Driving of farm machinery/commer cial vehicals
<b>5</b>	Bhoop Singh	S/o Durgadas	P290/GOH/GADHIMA N/48	Agriculture and Labour	Motor Mechanic
<b>6</b>	Mohan Lal	S/o Shobharam	P290/GOH/GADHIMA N/31	Agriculture and Labour	Driving of farm machinery/commer cial vehicals
<b>7</b>	Gaunu Ram	S/o Nagnuram	P290/GOH/GADHIMA N/66	Agriculture and Labour	Service Sector training (Mason work)

**Table: 12**Detail of other Vulnerable farming families on the basis of wealth ranking, other than the above three categories (Refer Table No 20 for Criteria)

<b>SN</b>	<b>Name of the farmer</b>	<b>Name of the Father/Husband</b>	<b>HPCDP Family Reg. No.</b>	<b>Present Source of income</b>	<b>Scope of income generation from project interventions including livelihood support</b>
<b>1</b>	Nageshwaru Devi	D/o Hansraj	P290/GOH/GADHIMAN/27	Farming/Agriculture, Sells cow milk at milk plant Chakkar	2,00,000/-

**Table: 13** Final approved List of Vulnerable farmers by the KVA under “Category D”

<b>SN</b>	<b>Name of the farmer</b>	<b>Name of the Father/Husband</b>	<b>HPCDP Family Reg. No.</b>
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## SUB PROJECT DEVELOPMENT PLAN

<b>1</b>	Nageshwaru Devi	D/o Hansraj	P290/GOH/GADHIMAN/27
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### 2.3.3 Detail of Land owners, Custodian and Cultivator along with HPCDP Family Registration number:

After conducting various sensitization meetings, training camps, meetings with farmers regarding DPR preparation, revenue record is collected from respective Revenue office and ownership statement for DPR is prepared consisting of detail of land owners and area under barani do fasli, banjar, gairmumkin, abadi etc. Detail of khasra wise area of different land owners is also prepared from the record. Also visited farmer's field with MC members and beneficiaries and with the help of KML file of contour plan of sub project custodians and cultivators of particular field is identified and marked in contour map of Sub-project FIS Gadhiman-Majhothi (Map attached). HPCDP Family registration number is allotted to every custodian family including absentee farmers. Data is analyzed and compiled in below mention table.

**Table 14: Details of Cultivator, Custodian, Landowners\***

SN	Name and parentage of farmer	Planning Area & Khasra Nos		HPCDP Family Registration Number	Custodian family & Relation / Joint	Khasra Number & Area		Cultivator / Absentee	Remarks	
1	DhameshwarDutt S/o Pooranchand	27	0.068	P290/GOH/GADHIMAN/1	Dhameshwar	27	0.068	DhameshwarDutt	Self	With in Village
		89	0.045			89	0.045			
		95	0.07			95	0.07			
		97	0.045			97	0.045			
2	Uttam Chand S/o Govardhan	79	0.055	P290/GOH/GADHIMAN/2	Uttam Chand	79	0.055	Uttamchand	Self	With in Village
3	Guarja Devi W/o UttamChand	99	0.09	P290/GOH/GADHIMAN/3	Guarja Devi	99	0.09	Gaurja Devi	Self	With in Village
4	Leela Devi D/o Mayadhar	29	0.108	P290/GOH/GADHIMAN/4	Ramchandrase S/o Lt. Hem Singh	29	0.108		None	Neighbouring Village

**SUB PROJECT DEVELOPMENT PLAN**

5	Hans Raj s/o Mayadhar	74	0.044	P290/GO H/GADHI MAN/5	Hans Raj	74	0.044	Hans Raj	Self	With in Villa ge
	Narayan Das s/o Mayadhar	76	0.099	P290/GO H/GADHI MAN/6	Naryan das	76	0.099	Naryan das	Self	With in Villa ge
	Leela Devi d/o Mayadhar									Abs ente e
6	Uttam Chand, Nagender Pal S/o Sevak ram	61	0.2494	P290/GO H/GADHI MAN/7	Uttam Chand	61	0.2494	Uttam Chand, Nagende r Pal	Self	With in Villa ge
		62	0.3292	P290/GO H/GADHI MAN/8	Nagender Pal	62	0.3292	Nagende r Pal	Self	With in Villa ge
		78	0.1342			78	0.1342	Uttam Chand, Nagende r Pal	Self	With in Villa ge
		85	0.0084			85	0.0084	Uttam Chand, Nagende r Pal	Self	With in Villa ge
		87	0.0384			87	0.0384	Uttam Chand, Nagende r Pal	Self	With in Villa ge
		88	0.095			88	0.095	Uttam Chand, Nagende r Pal	Self	With in Villa ge
7	Sevak Ram S/o sawanu	75	0.0562		Uttam Chand	75	0.0562	Uttam Chand, Nagende r Pal	Son	With in Villa ge
		942/82	0.053		Nagender pal	942/82	0.053			
		960/80	0.018			960/80	0.018			
		86	0.0951			86	0.0951			
		98	0.1478			98	0.1478			
		103	0.0064			103	0.0064			

**SUB PROJECT DEVELOPMENT PLAN**

8	Chunnilal, Naryan Singh S/o Tulsi ram	54 3	0.1108	P290/GO H/GADHI MAN/9	Chunnilal	543	0.11 08	Chunnila l, Naryansi ngh	Self	With in Villa ge
		54 8	0.16	P290/GO H/GADHI MAN/10	Naryan Singh	548	0.16			
		55 2	0.1836			552	0.18 36			
9	Hari Singh S/o Gunthu	62 6/3 74	0.0422	P290/GO H/GADHI MAN/11	Hari Singh	626/ 374	0.04 22	Harising h	Self	With in villa ge
	Ganeshu Devi W/o Gunthu	62 5/3 74	0.0176			625/ 374	0.01 76			
	Gunthi D/o Savera	38 3	0.0228			383	0.02 28			
10	Vresti S/o Masantu	37 6	0.067	P290/GO H/GADHI MAN/12	Man Singh	376	0.06 7	Man Singh		
	Hem raj S/o Jethu									
	Thakur S/o Danthi									
11	Naresh Kumar S/o Kamal Das	37 7	0.093	P290/GO H/GADHI MAN/13	Naresh Kumar	377	0.09 3	Naresh Kumar	Self	With in Villa ge
12	Leela Devi D/o Sevak	37 8	0.131	P290/GO H/GADHI MAN/14	Leela Devi	378	0.13 1	Leela Devi	Self	With in Villa ge
	Nagender Kumar S/o Durga Das									
13	Brikham Das, Nokhu ram S/o Bhikham	38 0	0.087	P290/GO H/GADHI MAN/15	Brikham Das	380	0.08 7	Brikham Das, Nokhu ram	Self	With in Villa ge
				P290/GO H/GADHI MAN/16	Nokhu Ram					
14	Devender Kumar, Chudamani S/o Damodar das	38 7	0.3042	P290/GO H/GADHI MAN/17	Devender Kumar	387	0.30 42	Devende r Kumar, Chudam ani	Self	With in Villa ge
		42 4	0.0798	P290/GO H/GADHI MAN/18	Chudamani	424	0.07 98			
		42	0.153			425	0.15			

**SUB PROJECT DEVELOPMENT PLAN**

		5					3			
		427	0.0032			427	0.0032			
		430	0.0166			430	0.0166			
		434	0.0754			434	0.0754			
		445	0.068			445	0.068			
		448	0.018			448	0.018			
15	Kheera Mani, Lalman S/o Tilak ram	385	0.0344	P290/GO H/GADHI MAN/19	Kheera Mani	385	0.0344	Kheeram ani	Self	With in Villa ge
	Harish Kumar s/o Bhavana Devi	487	0.1658	P290/GO H/GADHI MAN/20	Lalman	487	0.1658	lalman	Self	With in Villa ge
	Somnath s/o Dinanath	417	0.233			417	0.233	Mohan lal S/o Brijlal	Village r	With in Villa ge
	Mohan Lal S/o BrijLal								Self	Abs ente e
16	Mast Ram S/o Vihhu	381	0.077	P290/GO H/GADHI MAN/21	Mast ram	381	0.077	Mast ram	Self	Abs ente e
		406	0.119			406	0.119			
17	Mast Ram S/o Vihhu	382	0.0494		Mast ram	382	0.0494	Mast ram	Self	Abs ente e
	Dromti Devi D/o Uttam Chand									
	Valodevi W/o Uttam Chand									
18	Shiv Lal S/o Kishanchand	375	0.047	P290/GO H/GADHI MAN/22	Shiv Lal	375	0.047	Shiv Lal	Self	With in Villa ge
	Kameshru Devi w/o Dhanu	405	0.0994			405	0.0994			
19	Mangat Ram S/o Chamaru	451	0.0882	P290/GO H/GADHI MAN/23	Bhagirath	451	0.0882	Bhagirat h, Balak Ram	Son	With in Villa ge
		51	0.098	P290/GO	Balak Ram	513	0.09			

**SUB PROJECT DEVELOPMENT PLAN**

		3		H/GADHI MAN/24			8			
		52 5	0.244			525	0.24 4			
20	Balwant Kumar S/o Kishan Chand	45 4	0.151	P290/GO H/GADHI MAN/25	Balwant Kumar	454	0.15 1	Balwant Kumar	Self	With in Villa ge
		47 0	0.022			470	0.02 2			
		48 4	0.207			484	0.20 7			
21	Lalman S/o Tilak ram	47 0	0.022		Lalman	470	0.02 2	Lalman	Self	With in Villa ge
22	Devinder Pal S/o Naryan	47 5	0.055	P290/GO H/GADHI MAN/26	Devinder Pal	475	0.05 5	Devinder Pal	Self	With in Villa ge
		57 0	0.257			570	0.25 7			
23	Nageshwaru Devi D/o Hansarj	50 5	0.0544	P290/GO H/GADHI MAN/27	Nageshwaru devi	505	0.05 44	Nageshw arudevi	Self	With in Villa ge
24	Shobha ram S/o Dodhi	52 0	0.1824		Shobha ram	520	0.18 24	Shobha ram	Self	With in Villa ge
25	Hem raj S/o Vidyadevi	52 6	0.747	P290/GO H/GADHI MAN/28	Hem Raj	526	0.74 7	Hem Raj	Self	With in Villa ge
27	Bhagirath S/o Mangat	46 5	0.042		Bhagirath	465	0.04 2	Bhagirat h	Self	With in Villa ge
28	Prem Chand S/o Tara	46 8	0.1002	P290/GO H/GADHI MAN/29	Prem Chand	468	0.10 02			
		48 8	0.1844			488	0.18 44			
		49 3	0.0078			493	0.00 78			
		50 7	0.1526			507	0.15 26			
		51 1	0.0032			511	0.00 32			
		62 8/4	0.026			628/ 472	0.02 6			



**SUB PROJECT DEVELOPMENT PLAN**

		72								
		463	0.0976	P290/GO H/GADHI MAN/30& 31	Pawan and Mohan (S/o Shobha Ram)	463	0.09 76	Pawan and Mohan (S/o Shobha Ram)	Son	With in Villa ge
				P290/GO H/GADHI MAN/32& 33	Ganesh Chand and Gyan Chand (S/o Virisingh)					
29	Ganesh Chand S/o Virisingh	462	0.085		Ganesh Chand	462	0.08 5	Ganesh Chand	Self	With in Villa ge
30	Moti S/o Udmiya	461	0.057	P290/GO H/GADHI MAN/34	Khemraj	461	0.05 7	Raju	Son	With in Villa ge
31	Kanshi ram s/o Bala Ram	460	0.0258	P290/GO H/GADHI MAN/35	Kanshi Ram	460	0.02 58	Kanshi Ram	Self	With in Villa ge
		474	0.0684			474	0.06 84			
32	Hem Singh, Dinanath, Devinder S/o Narayan	459	0.0198	P290/GO H/GADHI MAN/36	Hem singh	459	0.01 98	Dinanath , Devinder	Self	With in Villa ge
		467	0.0544	P290/GO H/GADHI MAN/37	Dinananth	467	0.05 44	Hem Singh Devinder	Self	With in Villa ge
		469	0.046		Devinder	469	0.04 6			
33	Dinanath S/o Narayan	458	0.024		Dinanath	458	0.02 4	Dinanath	Self	With in Villa ge
		497	0.0236	P290/GO H/GADHI MAN/38	Chavvinder pal	497	0.02 36	Son		
34	Nuratu ram, Chetan Kumar S/o Santu	457	0.1044	P290/GO H/GADHI MAN/39	Nuratu	457	0.10 44	Nuratu	Self	With in Villa ge
	Nageshwaru Devi w/o Nuratu	627/4	0.1168			627/472	0.11 68			

**SUB PROJECT DEVELOPMENT PLAN**

		72								
35	Mohan lal, PremLal, Anil Kumar S/o BrijLal	49 1	0.14	P290/GO H/GADHI MAN/40	Mohan	491	0.14	Mohan	Self	With in Villa ge
		49 0	0.023	P290/GO H/GADHI MAN/41	Premlal	490	0.02 3	Mohan		
		50 6	0.168	P290/GO H/GADHI MAN/42	Anil Kumar	506	0.16 8	Premlal	Self	With in Villa ge
		48 6	0.0472			486	0.04 72	Anil Kumar	Self	With in Villa ge
		71	0.034			71	0.03 4	Disputed land		
36	Jhans Pal, Dole Ram S/o Lalman	45 6	0.116	P290/GO H/GADHI MAN/43	Jhans Pal	456	0.11 6	Jhans Pal	Self	With in Villa ge
		46 4	0.0804	P290/GO H/GADHI MAN/44	Dola Ram	464	0.08 04			
		47 1	0.081			471	0.08 1	Dola Ram	Self	With in Villa ge
		47 3	0.106			473	0.10 6			
		50 0	0.0006			500	0.00 06	Jhans Pal, Dole Ram	Self	With in Villa ge
		50 2	0.6984			502	0.69 84	Jhans Pal, Dole Ram		
37	Nandlal S/o Krishan	72	0.036	P290/GO H/GADHI MAN/45	Murarilal	72	0.03 6	MurariL al	Son	With in Villa ge
		93	0.187	P290/GO H/GADHI MAN/46	Devender Kumar	93	0.18 7	Devende r, Murarilal	Son	With in Villa ge
		77	0.1144	P290/GO H/GADHI MAN/47	NareshKum ar	77	0.11 44	Devende r, Murarilal	Son	With in Villa ge

**SUB PROJECT DEVELOPMENT PLAN**

		84	0.0464			84	0.0464	Devender, Murarilal	Son	With in Villa ge
		90	0.08			90	0.08	Devender, Murarilal	Son	With in Villa ge
		94	0.0614			94	0.0614	Devender, Murarilal	Son	With in Villa ge
		106	0.0084			106	0.0084	Devender, Murarilal	Son	With in Villa ge
		108	0.0076			108	0.0076	Devender, Murarilal	Son	With in Villa ge
		81	0.1			81	0.1	Devender, Murarilal	Son	With in Villa ge
		107	0.0102			107	0.0102	Devender, Murarilal	Son	With in Villa ge
		96	0.0304			96	0.0304	Devender, Murarilal	Son	With in Villa ge
		100	0.1114			100	0.1114	Devender, Murarilal	Son	With in Villa ge
		102	0.0578			102	0.0578	Devender, Murarilal	Son	With in villa ge
		455	0.116			455	0.116	Devender, Murarilal	Son	With in Villa ge
38	Bhoop Singh, Lokraj S/o Durga das	83	0.0434	P290/GO H/GADHI MAN/48	Bhoop Singh	83	0.0434	Hem raj	Village r	With in Villa ge
		526	0.049	P290/GO H/GADHI MAN/49	Lokraj	526	0.049	Bhoop Singh, Lokraj	Self	With in Villa ge

**SUB PROJECT DEVELOPMENT PLAN**

		549	0.055			549	0.055	Bhoop Singh, Lokraj	Self	With in Villa ge
		551	0.1518			551	0.1518	Bhoop Singh, Lokraj	Self	With in Villa ge
39	Leelanand S/o Khemchand	553	0.1302	P290/GO H/GADHI MAN/50	Man singh	553	0.1302	Mansing h, Hem Raj	Son	With in Villa ge
		384	0.037		Hem Raj	384	0.037			
40	Khem Singh S/o Kanhahiya	478	0.04	P290/GO H/GADHI MAN/51	Dhandev	478	0.04	Dhandev' s wife	Daught er in Law	With in Vila ge
		453	0.188	P290/GO H/GADHI MAN/52	Tirth raj	453	0.188	Dhandev' s wife	Daught er in Law	With in Vila ge
		480	0.227	P290/GO H/GADHI MAN/53	Jeevanlal	480	0.227			
		481	0.0434			481	0.0434			
		483	0.0898			483	0.0898	Tirthraj	Son	With in villa ge
		496	0.02			496	0.02			
		503	0.0096			503	0.0096			
		504	0.0238			504	0.0238			
41	Hansraj, Kashmir Singh S/o Durga Devi	422	0.217	P290/GO H/GADHI MAN/54	Hansraj	422	0.217	Devinder , chunnilal	Village r	With in Villa ge
				P290/GO H/GADHI MAN/55	Kashmir Singh					
43	Lt. Damodar Das S/o Lohar	485	0.311	P290/GO H/GADHI MAN/56	Sher Singh	485	0.311	Sher Singh	Son	With in villa ge
				P290/GO H/GADHI MAN/57	Murarilal					

**SUB PROJECT DEVELOPMENT PLAN**

44	Chet Ram S/o Peeru Ram	527	0.028	P290/GO H/GADHI MAN/58	Chet Ram	527	0.028	Chet Ram	Self	With in Villa ge
		388	0.081			388	0.081			
		390	0.1018			390	0.1018			
		408	0.0716			408	0.0716			
		415	0.147			415	0.147			
		414	0.066			414	0.066			
		420	0.1206			420	0.1206			
		423	0.255			423	0.255			
		447	0.0196			447	0.0196			
		421	0.1058			421	0.1058			
		438	0.0152			438	0.0152			
		449	0.0246			449	0.0246			
		416	0.0492			416	0.0492			
		418	0.0842			418	0.0842			
45	Ishwar Das, Netar Singh S/o NandLal	407	0.13	P290/GO H/GADHI MAN/59	Ishwar Das	407	0.13	Ishwar Das	Self	With in Vill gae
		419	0.0926			419	0.0926			
		433	0.0094			433	0.0094			
		437	0.0228			437	0.0228			
		444	0.015			444	0.015	Netar Singh	Brother	With in Villa ge
		435	0.014			435	0.014			
		436	0.0642	P290/GO H/GADHI MAN/60	Netar Singh	436	0.0642	Netar Singh	Self	With in Vill



**SUB PROJECT DEVELOPMENT PLAN**

										gae
		386	0.021			386	0.021			
		389	0.2594			389	0.2594			
		426	0.0088			426	0.0088			
		431	0.0726			431	0.0726			
46	Bodu ram, Dolaram, Neelmani, DhameshwarDutt S/o Vali Ram	443	0.036	P290/GO H/GADHI MAN/61	Bodu Ram	443	0.036	Bodu Ram	Self	With in Villa ge
		524	0.152	P290/GO H/GADHI MAN/62	Dolaram	524	0.152	Dolaram	Self	With in Villa ge
		446	0.154	P290/GO H/GADHI MAN/63	Neelmani	446	0.154	Neelmani	Self	With in Villa ge
				P290/GO H/GADHI MAN/64	Raju			Son		
		514	0.203	P290/GO H/GADHI MAN/65	DhameshwarDutt	514	0.203	DhameshwarDutt	Self	With in Villa ge
47	Gaunu Ram, Dole Ram S/o Nagnu	439	0.057	P290/GO H/GADHI MAN/66	Guanu Ram	439	0.057	Guanu Ram, Dole Ram	Self	With in Villa ge
		515	0.07	P290/GO H/GADHI MAN/67	Dole Ram	515	0.07	Guanu Ram, Dole Ram	Self	With in Villa ge
		442	0.009			442	0.009	Guanu Ram, Dole Ram		
		450	0.264			450	0.264	Guanu Ram, Dole Ram		
		509	0.155			509	0.155	Guanu Ram, Dole Ram		
		517	0.008			517	0.008	Guanu Ram,		

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								Dole Ram		
48	Hira Lal S/o Pune Ram	46 6	0.143	P290/GO H/GADHI MAN/68	Hiralal	466	0.14 3	Hiralal	Self	With in Villa ge
			14.908 3				14.9 083			

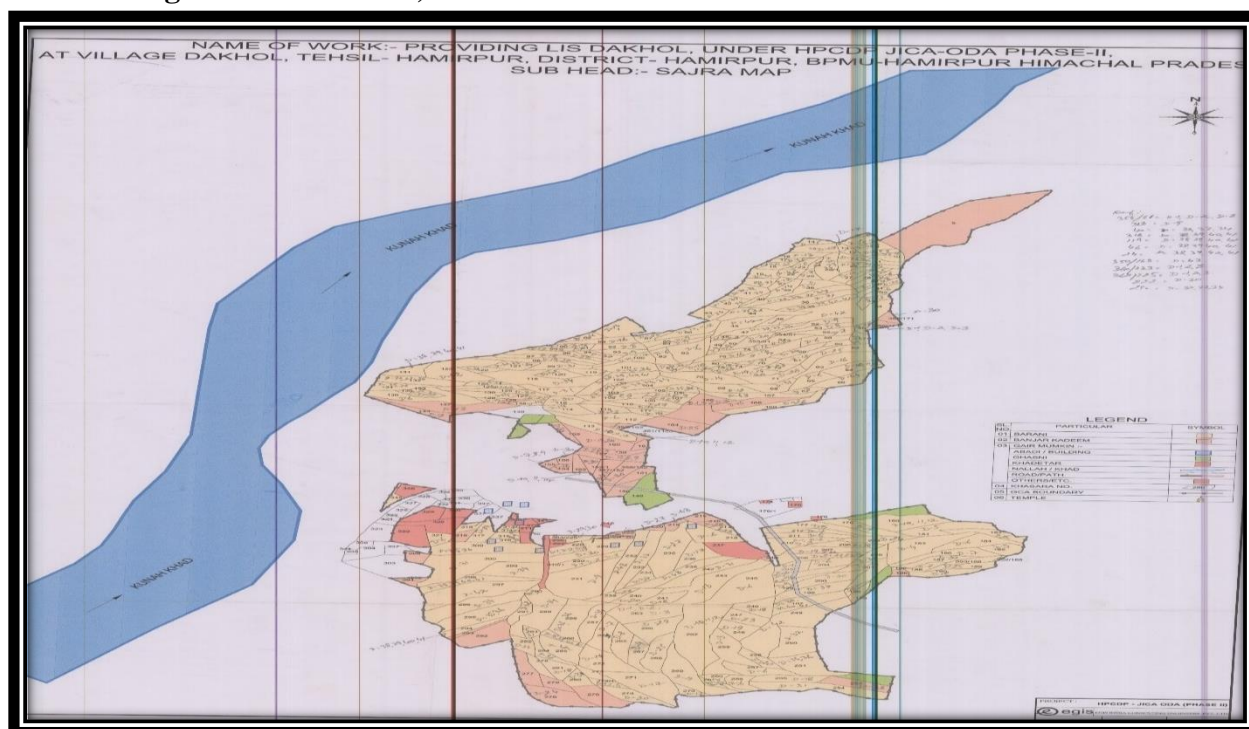
(Source: PRA Exercise)

**Abstract of Land owners, Custodian, Cultivators (as per baseline):**

Sr.No	Total number of Land owners	Total number of Custodian	Total number of Absentee Farmers	Total number of Cultivator	Average land holding per cultivator (in ha)
1	72	68	1	65	.219

S.N	Range of land holding (in ha)	Total No of cultivators and area	Category A	Category B	Category C
1	Upto 0.2	36 No (2.947ha)	5	14	17
2	More than 0.2 upto 0.4	17 No (3.379ha)	-	17	-
3	More than 0.4 upto 0.8	8 No (4.617ha)		6	2
4	More than 0.8	4 No. (3.967ha)	-	3	1

 **Map of Sub project FIS Gadhiman-Majhothi(Allocation of HPCDP Family Registration Number)**



## 2.4. LIVELIHOOD MAPPING FOR THE VULNERABLE FAMILIES OF THE SUB PROJECT

### 2.4.1 Economic Categories

As per criteria fixed by the Department of Rural Development, GoHP, households of FIS Gadhiman-Majhothi categorized by the gram Sabha as under:

- APL:61 No's
- BPL:7 No's

### 2.4.2 Village Organisations

The survey findings indicate that the farmers in the sub project are engaged with communitybased organizations. The details are as follows:

**Table:15 Detail of existing village organization**

Sr. No.	Institutions	Year of Formation	Membership		Detail of President
			Male	Female	
1	Coop. sub Society	1973	141		Khem Singh Rana
2	SHG(3)	2014,2016,2022	-	8,8,10	Smt.Dolma Devi, Kalpana, Kajal
5	MahilaMandal	1985,1987	-	35,25	Smt. Dolma Devi, Smt. Gaurja Devi
6	YuvaMandal	-	-	-	-
7	Religious Organization	-	-	-	-
8	Others	-	-	-	-

Source: Household Survey

### 2.4.3. Present Livestock Resources:

The farmers are rearing livestock as a supplementary agro-based income generation activity, especially for landholders with low landholding.

**Table 16: Detail of Present Livelihood activities within sub project-**

S n	Type of livelihood/activities	No. of units	No of animals	Self-consumed/ sale	Milk Production (if sold)	Value (Rs.) at Base year
1	<b>Milch Animals</b>	No's				
a	Cow	61	78	Self-consumption	5 L/day	50,500/

## SUB PROJECT DEVELOPMENT PLAN

					and Sale		-
	b	Buffalo	-	-	-	-	-
<b>2</b>		<b>Meat/ Milk Animals</b>	No's	-	-	-	-
	a	Sheep	1	6	Sale	-	18,000/-
	b	Goats	1	2	Self-consumption and Sale	-	8,000/-
<b>3</b>		<b>Fisheries</b>	No of farm enterprise	-	-	-	-
<b>4</b>		<b>Poultry</b>	No's	-	-	-	-
	a	Meat	-	-	-	-	-
	b	Eggs				-	-
<b>5</b>		<b>Mushroom</b>	No of farm enterprise	-	-	-	-
<b>6</b>		<b>Sericulture</b>	No of farm enterprise	-	-	-	-
<b>7</b>		<b>Apiculture</b>	No of farm enterprise	-	-	-	-
<b>8</b>		Others		-	-	-	-

(Source: HHS)

### 2.4.4.Farm Business Pattern

As per household survey farmers of sub project are cultivating of vegetables, cereals, along with dairy activity. The detail of category wise business pattern is given below:

**Table 17: Existing Farm Business Pattern data**

Category	Nos of farming family	Existing Farm Business Pattern data						
		Vege table	Fru its	Food grains	Dairy	NTPP	Others	Remarks
Category A	5	5	5	5	5	-	-	Self-consumption& sale -
Category B	40	14	5	39 (+1 Absent ee)	38	-	-	Self-consumption& sale
Category C	23	8	-	22	18	-	-	Self-consumption& sale

(Source: HHS)

## SUB PROJECT DEVELOPMENT PLAN

### 2.4.5. Present Occupational Structure of Sub Project

The finding of the survey shows that the population is engaged in Govt jobs, Private jobs, agriculture, business and other sources of income. The detail of occupation pattern is given in the table

**Table 18: Present primary Occupation pattern and working population**

Category Families	Nos of families	Working Population (Above 18 years)	Govt /Private service	Daily wagers	Agriculture and allied	Business	Others (Pensioner)	Remarks
			No of persons					
A	5	5	3	-	5	5	2	
B	40	40	11	19	39 (1 Absentee)	3	5	
C	23	23	2	22	22	4	1	

(Source:HHS)

### 2.4.6 Livelihood and Agribusiness Activities prevalent in the vicinity/panchayat/block/district of sub project/cluster

After detailed discussion with farmers of sub project, Block office and other farmers and enterprises information on various enterprises, there is no any such activity present in the vicinity of sub project.

**Table 19: Detail of present Agribusiness activities in the vicinity/ district**

Sr. no.	Name of major enterprises	Detail about business activities	Business Volume (Approx. Per Month)	Major Key entrepreneur( Name & contact No.)	Marketing Channel
	Nil	Nil			



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### 2.4.7Wealth Ranking:

A combination of different PRA techniques such as focus group discussions, household survey, meetings etc. were used to categorize the farmers according to the wealth status.

**Table20: Wealth Ranking for Different Social Ranks**

Nos. of Families – (Category W)	Nos. of Families - (Category X)	Nos. of Families - (Category Y)	Nos. of Families - (Category Z)	Total Families(No's)
8	11	16	11	46

**W- Better off, X- Manageable, Y- Poor, Z- Vulnerable**

### Criteria for Wealth ranking

Category	Occupation	Annual Income +Livestock+ Physical Assets
<b>Category W</b>	Government employee/ Private Employee/ Pensioner, Business men/ others	More than 2.5 lakh + cow/ Buffalo+ Pucca House+ vehicle
<b>Category X</b>	Plumber, Vegetable grower, Electrician, Beauty parlour ,Small Business men	1.5 lakh to 2.5 lakh + cow/ Buffalo+ Kutcha/ Semi pucca House + Small Vehicle( may or may not be)
<b>Category Y</b>	Daily wage labour, Pensioner ( less) others	Less than 1.5 lakh + Kutcha/ Semi pucca House
<b>Category Z</b>	BPL families, Women headed, Landless	As per data of Rural Development department and Household survey



EXISTING  
CROP  
CULTIVATION  
SCENARIO

## SECTION III

## SUB PROJECT DEVELOPMENT PLAN

### 3.EXISTING CROP CULTIVATION SCENARIO

Cropping pattern in Gadhiman, Majhothi, Majhvas and Thunadi village is dependent on several factors, production infrastructure including the local climate, soil conditions, market facilities, local food habits and agricultural practices. Existing cropping pattern is discussed with farmers during household surveys and data captured is consolidated in below mention table.

#### 3.1. Category-wise Area and Production-

The category-wise information of area and production under cultivation of major crops during Rabi and Kharif season before the project is given below:

**Table 21: Abstract of Category-wise Area under Crops and their Production (based on household survey *Year 2022-23*)**

Category	No. of Farmers	Total Area	Area of Major Rabi Crops			Area of Major Kharif Crops			Remarks
			Crop	Area	Production	Crop	Area	Production	
A	5	2.2666	Wheat	1.506	27.55	Maize	0.987	16.28	
			Pea	0.260	22.75	Pea	0.256	19.2	
			Potato	0.1	8.5	Beans	0.312	15.6	
						Tomato	0.3116	31.0	
			Orchard	0.400	-	Orchard	0.400	-	
B	40	8.3731	Wheat	5.376	93.38	Maize	6.620	105.45	
			Pea	2.672	212.5	Pea	1.3441	83.45	
						Tomato	0.084	5.04	
			Orchard	0.325	-	Orchard	0.325	-	
C	23	4.27	Wheat	3.433	57.82	Maize	4.23	61.24	
			Pea	0.837	62.51	Tomato	0.04	2.0	

SUB PROJECT DEVELOPMENT PLAN

**DETAIL OF CATEGORYWISE EXISTING FLAGSHIP CROPS AND OTHER CROPS (AREA, PRODUCTION&INCOME)**

**(BEFORE CDP IMPLEMENTATION)**

Table 22: *(Kharif and Rabi Season)*

Category of farmer	Flagship Crops					Cereal Crop					Other Crops					Total		
	Crop	Area(ha)	Production (qt)	Productivity (qt/ha)	Income	Crop	Area(ha)	Production(qt)	Productivity (qt/ha)	Income	Crop	Area(ha)	Production(qt)	Productivity (qt/ha)	Income	Area(ha)	Production(qt)	Income (in Rs)
A	Pea	0.256	19.2	75.0	28800/-	Maize	0.987	16.28	16.5	14652/-	Tomato	0.3116	31.0	99.49	31000/-	1.867	82.08	90,052/-
	French bean	0.312	15.6	50.0	15600/-						-	-	-	-				
	Pea	0.260	22.75	87.5	34125/-	Wheat	1.506	27.55	18.3	33060/-	-	-	-			1.866	58.8	75,685/-
	Potato	0.1	8.5	85.0	8500/-						-	-	-					
											Orchard	0.400				0.400		25,000
B	Pea	1.3441	83.45	62.09	125175/-	Maize	6.620	105.45	15.92	94905/-	Tomato	0.084	5.04	60.0	5040/-	8.048	193.94	2,25,120/-
	Pea	2.672	212.5	79.53	212500/-	Wheat	5.376	93.38	17.37	112056/-	-	-	-					
											Orchard	0.325						10,000/-
C	Pea	-	-			Maize	4.23	61.24	14.48	55,116/-	Tomato	0.04	2.0	50.0	2000/-	4.27	63.24	57116/-
	Pea	0.837	62.51	74.68	93765/-	Wheat	3.433	57.82	16.84	69384/-	-	-	-					

## SUB PROJECT DEVELOPMENT PLAN

### **Income of Sub Project Before project implementation per ha**

SN	Source	Before CDP Amount(in Rs)
1	Farming (Kharif Season )	3,72,288/-
2	Farming ( Rabi Season)	5,63,390/-
3	Others	35,000/-
Total Income		9,70,678/-
Total Income per ha		65,102.48/-



## SUB PROJECT DEVELOPMENT PLAN

### 3.2 Status of Crop Yield (Existing and Target as per MoD)

The productivity of Rabi and Kharif cereal is very low. Need critical interventions like irrigation, weed control, IPM and improved farming practices to achieve the targets as per MoD. Various training on Food grain productivity and vegetable cultivation are designed accordingly to address critical gaps. The detail of pre project area under cereal crops, vegetables along with target of yield as per MoD and % deficit yield is given below:

**Table No: 23Crop detail Existing and Target as per MoD**

Sr.No.	Name of Crop	Area (in ha)		Pre-project yield (As per HHs)	Targeted Yield (as per MoD)	% deficit yield
1	Maize (Kharif )	11.837	182.97	15.46qt/ha	27qt/ha	42.74
2	Wheat (Rabi)	10.315	178.75	17.33 qt/ha	29qt/ha	40.24
3	Pea	5.3691	400.41	74.58 qt/ha	126 qt/ha	40.81
4	Tomato	0.4356	38.04	87.33qt/ha	400 qt/ha	78.17
5	Potato	0.1	8.5	85 qt/ha	200 qt/ha	57.5
6	Frenchbean	0.312	15.6	50 qt/ha	-	-

(Source:HHS and MoD)

(\*Note: 0.72 ha is under Orchard CCA of sub project)

### 3.3 Information on identification of Flagship Crops for the Sub Project

Since the project is targeting to have strong market force by developing Agri- Business operators from within the target farmers of project area, it is important to identify such crops which can be grown on large scale thereby yielding marketable surplus. To realize this clusters of different crops are required to be identified and complete focus on proliferating best crop production and post-production interventions so as to help farmers in realizing best of its value.

In view of the above, project understands to strategize crop diversification approaches into two different levels. One is identification of most relevant crop in a season in term of Agro- climate suitability, already being in successful cultivation around the project area and already existing marketing linkages, to be termed as **Flagship Crops** for the said sub project/ cluster while second is thrust upon general crop diversification by the farmers for local sale and consumption. Some more elaborations are as under:

1. Crops of commercial interest: Crop to be scaled at commercial level should be identified keeping in view the farmers' interest, agro-climatic suitability, and marketability and in line with the set of crops specified in MoD for the agro- climatic zone, for the purpose. This shall be leading us in undertaking FPO formation for each crop with the supporting interventions under the value chain and marketing component.
2. Crop for local retailing: Set of crops during different growing season, in village which are produced for domestic needs, local retailing, or wholesale at local APMC. This may also

## SUB PROJECT DEVELOPMENT PLAN

specify yearly plan of shifting from area under food grains to area under high value crops. These crops may be in addition to those specified/identified under Point No.1, above.

On the basis of above understandings and discussion with the farmers and investigations into the farming scenario in the vicinity/panchayat/block/district of sub project following is observed: -

**Table:24 Major commercial crops grown in the vicinity/panchayat/block/district of sub project during different seasons**

S.N	Crop Season	Major Crops being grown	Major key growers (Name , Address and Contact Number)		Major Marketing Channels
1	<b>Kharif</b>	Tomato, Pea	Amar Singh S/o Balakram Vill. Kheod (Majhothi Mohal)	9857120012	APMC Chailchowk
			Labh singh S/o Sheshram Vill. Redha	9459094000	
2	<b>Rabi</b>	Pea, Potato, Cauliflower	Adar Singh S/o Chatar Singh Vill. Redha	9459855450	

### 3.4 Farm Business Evaluation of the Sub Project before Crop Diversification

**Table: 25 Pre-Project Cropping Pattern and value of produce(Kharif and Rabi season):**

#### A. Kharif Season

	Crops	Area(in ha)	Production(q t)	Productivity(qt/ha)	Value at base year (in Rs.)
i	Maize	11.837	182.97	15.46 qt/ha	164673/-
ii	Pea	1.6001	102.65	64.15qt/ha	10265 153975/-
iii	Tomato	0.436	38.04	87.33qt/ha	38040/-
	Other Vegetables (beans)	0.312	15.6	50qt/ha 624	15600/-
iv	Pulses				
v	oil seeds				
vi	Fodder				
vii	Fruit Crops	0.725			
viii	Others				
	<b>Total</b>	<b>14.91</b>			<b>372288/-</b>

## SUB PROJECT DEVELOPMENT PLAN

### B. Rabi Season

S.N,	Crops	Area(in ha)	Production(qt)	Productivity(qt/ha)	Value at base year (in Rs.)
i	Wheat	10.315	178.75	17.33 qt/ha	2,14,500/-
ii	Oats				
iii	Vegetables Pea	3.769	297.76	79.00qt/ha	340390/-
	Potato	0.1	8.5	85 qt/ha	8500/-
iv	Pulses				
v	oil seeds				
vi	Fodder				
vii	Fruit crops	0.75			35,000/-
viii	Others				
	<b>Total</b>	<b>14.91</b>			<b>5,98,390/-</b>

**Table No 26: Pre Project Agriculture Assets and income thereof:**

SN	Assets	No. of units	Usage (commercial)	Income (in Rs)
1	Tractor	-	-	-
2	Power tiller (7 HP)	-	-	-
3	Thresher	5	Self-use and commercial use	10,000/-
4	Chaffcutter	1	Self-use	-
5	Power weeder	11	Self-use and commercial use	20,000/-
6	Sprayers	10	Self-use	-
7	Sprinklers/Drip	11	Self-use	-
8	Polyhouse	5	Self-use and commercial use	2,00,000
9	Brush Cutter	9	Self-use	-
10	Others			

**Table No 27: Income of Sub Project before project per ha(as per baseline survey)**

S.N.	Source of Income	Amount (in Rs.)	Remarks
1	Farming (Crops)	9,70,678/-	-
2	Livelihood activities	76,500/-	-
3	Other agro activities through Agri implements	2,30,000/-	-
4	Others	-	-

## SUB PROJECT DEVELOPMENT PLAN

<b>Total Income (in Rs.)</b>	12,77,178/-	
<b>Income per ha (in Rs.)</b>	85,659.16/-	

### 3.5. SWOT ANALYSIS OF SUB PROJECT

The SWOT analysis was carried out through Group discussion for identification of problems and threats in crop diversification, which is as given below:

**Table28:** Strength, Weakness, Opportunity and Threat Analysis

<b>Strengths</b>	<b>Weakness</b>	<b>Opportunity</b>	<b>Threats</b>
<p>(i) Farmers understand the importance of vegetable cultivation and are Willing for crop diversification.</p> <p>(ii) The sub project falls under Sub Mountain sub-tropical Zone II and suitable for vegetable cultivation.</p> <p>(iii) Texture of soil is Sandy loam which is suitable for veg production.</p>	<p>(i) Assured Irrigation facilities are not available and water resources are not properly managed.</p> <p>(ii) Scattered and small land holdings</p> <p>(iii) Land holdings located at long distance from house.</p> <p>(iv) Less experience in vegetable growing.</p> <p>(v) Lack of technical knowledge.</p> <p>(vi) Less marketing information and awareness</p>	<p>(i) Creation of assured irrigation facilities to be operated and maintained by local farmers (KVA).</p> <p>(ii) Site specific plans, livelihood activities along with crop diversification by marginal farmers.</p> <p>(iii) Low use of pesticides hence scope for organic farming.</p> <p>(iv) Support from agriculture extension services.</p> <p>(v) Providing farm machinery on cost sharing</p> <p>(vi) Support from HPCDP JICA</p>	<p>(i) Lack of processing facilities and marketing channels.</p> <p>(ii) Labour Shortage.</p> <p>(iii) Stray cattle and wild life menace.</p> <p>(iv) Lack of storage facilities.</p>

### 3.6 Timeline of Agriculture Related Events of the Village

- Locally Millets viz; Kodra, Kangani were also grown and Sathu was local variety of Maize under cultivation.
- Pulses like Mash, Chana, Rajmash and Soybean were also grown.
- Drinking water Scheme, high tap reached in village in the year 1975.
- Co-operative society established in village during 1973.
- Farmers used to purchase seeds and other fertilizers from Private and Govt. retailers at Chailchowk.
- Livelihood dairy activity implemented from last 30 years and more.



**PLANS FOR  
SUBPROJECT  
DEVELOPMENT**

## **SECTION IV**

## 4. PLANS FOR SUBPROJECT DEVELOPMENT



### 4.1 Infrastructure Development Plan (IDP)

For construction of Minor Irrigation, FAR and catchment area treatment etc, Site specific DPRs are prepared for the sub project which serve as road map for irrigation infrastructure development. For the sub project irrigation assurance is designed to be provided on 14.91ha of CCA through lift irrigation scheme to be constructed with an estimated cost of Rs. 44.55lakhs. The perennial source of water is Bhuran Nallah (Perennial).

In addition to the development of minor irrigation system the project assistance /support will be provided as per the fund provision to the beneficiaries individually or jointly to increase the crop productivity and crop diversification as under:

- a) Support of MIS- Drip, Mini sprinkler & Micro Sprinkler, WST (9 cum) and Booster Pump.
- b) Solar fencing for vegetable growing areas/ sub projects as per DOA guidelines.
- c) Solar PV panels to energise the machinery.
- d) Support to farmers for suitable farm machinery on cost sharing 50:50
- e) Provision of polyhouses of different sizes, low tunnels and walk in tunnels.
- f) Provision of plastic mulch, anti-hail net, shade net houses and method demonstration.

After getting assured annual irrigation facility in CCA, the support under above Activity (*a to f*) are very crucial for willing farmers to take up and scale up vegetable cultivation. Keeping in view the budget provisions under above activities it is important that selection of beneficiaries will be done carefully and should be linked with area under vegetable cultivation/ crop diversification. The assessment of progress of crop diversification by candidate farmers may be based on the monitoring sheets for different seasons. The selection of farmers for infrastructure support and tentative plan (**Table No 21 & Table No. 22**) is prepared after analyzing household data, PRA tools and discussion with the beneficiary farmers.

Criteria for Selection of farmers for Infrastructure Development Support:

**First Stage:** Initially advance farmers and some intermediate farmers can be considered for assistance for infrastructure support.

**Second Stage:** On the basis of crop diversification of first/ Second cropping season.



## SUB PROJECT DEVELOPMENT PLAN

**Third Stage:** Third cropping season onwards till the project period the project assistance to all eligible advanced farmers shall be considered.

(\*Note- The eligible advance farmers list shall be updated after every cropping season on the basis of crop diversification data and endorsed by the general house of KVA for considering assistance from second stage onwards.

### 4.1.1 Before Project Status of Infrastructure:

As per field visits and meetings with farmers only one farmer is cultivating vegetables and irrigation water is available through personal pumping unit at sub project. Remaining farmers are dependent on rains for their crops. The data regarding available assets collected and consolidated in below mention table

**Table 29: Available Assets**

Sr. No.	Assets	No. of farmers who own these assets	No. of farmers who use these assets	Remarks
1	WST- 9 & above cum capacity	4	4	
2	MIS system: Drip/Sprinkler	11	11	
3	Pumping Unit	-	-	
4	Polyhouse	5	5	
5	Farm Machinery (Power weeder, 7 HP)	11	11	
6	Other (Thresher, Chaffcutter)	15	15	
(Source HHS)				

### 4.1.2 Proposed Infrastructure Development for the Sub Project

Assistance will be provided to farmers of Advance/ Intermediate category farmers as per level of crop diversification. However general support on countering the labour issues in term of small farm equipment shall also be designed and extended to farmers irrespective of all categories. Detail of assistance to be provided by project on cost sharing basis is given below

**Table 30: Project Support for Infrastructure on cost sharing (Indicative):**

Sr. No.	Project support for infrastructure	Unit	Name of the beneficiaries
1	WST- 9 cum capacity	-	Nil
2	Pumping Unit 2/3 HP	-	
3	Drip Irrigation System	-	
4	Mini/Micro Sprinkler Irrigation System	ha.	-
5	Power Sprayer	1	Gaurja W/o Uttamchand
6	Fencing	Rmt.	-
7	Farm Machinery	1	Dolaram S/o Valiram
8	Mulching Sheet	1	Tirthraj S/o Khemchand



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9	Poly Tunnel 40 sqm	1	Tirthraj S/o Khemchand
10	Poly house 105 sqm	2No.	Brikam das s/o Bhikham
11	Solar Photo Voltic System	-	-
12	Other aesthetic value-added structures (community ponds/landscaping units, etc.)	No.	-
	<b>Total</b>		

### 4.1.3. Farmers' Selection for Infrastructure Support for Ist Stage on the basis of household survey

**Table:31 Detail of Farmer for Stage I**

<b>Name of farmer</b>	<b>Category</b>	<b>Area under vegetables</b>	<b>Infrastructure needed</b>	<b>Remarks</b>
Chet Ram s/o Peeru	Advance	0.5	Warehouse	-



## 4.2 Crop Diversification Plan (CDP)/Agriculture Development Plan (ADP)

Crop Diversification Plan should give the information on different focused groups primarily the advanced farmers, intermediate farmers, conservative farmers, and absentee farmers etc. The resources for crop production and scaling up of crop diversification available in the sub project area are summarized as under:

- Total Number of Cultivators-**65 No.** (Farming families are interested in crop diversification). Out of them **29 No** of families are interested in commercial vegetable cultivation along with cereal crops and remaining are interested in cultivation of cereal crops, kitchen gardening along with dairy activity.
- Area available for Cultivation **14.91 ha** area under CCA which is taken for planning for crop diversification.
- Average landholding- **0.219 ha** is the average area per cultivator of the sub project.
- **73 No.** of Male and **65 No.** of Female farmers in the age group of 19- 60 are available for agriculture activities. Out of these few farmers are involved in daily wage labour, business or private/Govt job.
- **Target for Crop diversification(Vegetable area Kharif and Rabi season) – 4.47 ha (to be achieved in 3 years)**

**Target for Flagship Crop – 10.38 ha** (Kharif -**4.98 ha** and Rabi –**6.81ha**): After studying the farming situation in the vicinity and in the jurisdiction of BPMU following crops are suitable for scaling up as flagship crop for the sub project. Detail of farmer expertise in production and marketing as enumerated vide **Point No 4.3** above shall be helpful in capacitating the farmers in crop production and linking with the existing marketing arrangements accordingly.

Crop Priority	Kharif Season	Rabi Season
1 <sup>st</sup>	Pea	Pea

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2 <sup>nd</sup>	French bean	Potato
3 <sup>rd</sup>	Tomato	Garlic

**Target for general crop diversification-9 ha** (Kharif – 3.75 ha and Rabi- 5.25 ha): General Crop diversification shall primarily focus on capacitating farmers to adopt large number of crops across the different cropping season to not only grow to sell in the vicinity including local APMC market yards but also to meet with the demand of their household/self-consumption their by ensuring good nutrition for the family while saving the money on purchasing the same from the market.

Crop Priority	Kharif Season	Rabi Season
Vegetables	Capsicum	Garlic, Sarson, Onion
Fruit crops	-	-
Flower crops	-	-
Root crops	-	-
Leguminous crops	Soybeans	Pea
Spice crops	-	-
Tuber crops	-	Potato
Coarse cereal	-	-

In this sub project out of total number of 61 cultivators majority of the farmers are having conservative approach towards the crop diversification. However, most of them grow vegetables in **kitchen garden** sort of arrangement for daily need that too primarily in rainy season. Out of total only one farmer has been identified as advance farmers while five as intermediate farmers. All of them commit to undertaking commercial farming in line with the project outputs.

In view of this the project will start work on flagship crops with these six advance/ intermediate farmers, initially and after successful demonstration of the same area expansion along with migration of other category farmers to the advance farmer category shall be sought.

In addition to this the project shall work to mobilize all the families in adopting well planned crop diversification for retailing and domestic needs.

## SUB PROJECT DEVELOPMENT PLAN

The following Crop diversification plan / Agricultural development plan has been prepared for next three years after discussion with the farmers

### **RABI SEASON:**

- + Crop Diversification Plan / Agriculture Development Plan(Rabi Season) (**Refer :Table 32**)
- + Category wise Farmerwise Existing crop details(**Before CDP Implementations**) **Attachment 1**
- + Category farmers wise planning for CDP implementation(Rabi Season) **Attachment III**
- + Category-wise Crop Diversification Monitoring Plan(Rabi Crops) **Attachment V**

### **KHARIF SEASON:**

- + Crop Diversification Plan / Agriculture Development Plan (Kharif Season) ( **Refer :Table 33**)
- + Category wise Farmerwise Existing crop details(**Before CDP Implementations**) **Attachment II**
- + Categoryfarmers wise planningfor CDP implementation (Kharif Season) **Attachment IV**
- + Category-wise Crop Diversification Monitoring Plan(Rabi Crops) **Attachment VI**
- + Abstract of Category-wise Cropped Area,Production and Income after Project Intervention (Kharif and Rabi Season) (**Refer Table:26**)
- + Crop Schedule for Flagship and General Crops. **Attachment VII**

## SUB PROJECT DEVELOPMENT PLAN

**Table : 32Crop Diversification Plan/Annual Agricultural Development Plan and Progress After Completion of Construction in Rabi Season**

Sub-Project	FIS Gadhiman-Majhothi			District	Mandi	Block		Gohar		Staff in charge					
CCA	14.91 ha			No. of Custodian	68	No. of Cultivators		65		Date					
Existing condition				Proposed plan after construction											
( 2022-23 )				1st year ( 2024-25) 1st Season				2nd year ( 2025-26) 3th Season				3rd year ( 2027-28) 5th season			
Crops	Area (Ha)	Unit Yield (ton /ha)	Production (ton)	Crops	Area (Ha)	Unit Yield (ton/ ha)	Production (ton)	Crops	Area (Ha)	Unit Yield (ton/ ha)	Production (ton)	Crops	Area (Ha)	Unit Yield (ton/ha )	Production (ton)
Cereal Crops				Cereal Crops				Cereal Crops				Cereal Crops			
Wheat	10.31	1.73	18.21	Wheat	9.90	2.64	26.13	Wheat	6.89	2.91	20.09	Wheat	4.28	4.00	17.13
Pea	3.769	7.91	29.77	Flagship Crops				Flagship Crops				Flagship Crops			
Potato	0.1	8.5	0.85												
Orchard	0.72			Pea	3.84	8.47	32.54	Pea	4.01	9.50	38.13	Pea	4.35	9.83	42.78
Total	14.91	18.14	48.83	Potato	0.19	11.36	2.16	Potato	0.66	12.80	8.45	Potato	1.05	13.21	13.87
				General Crops				General Crops				General Crops			
				Garlic	0.19	12.94	2.46	Garlic	0.66	14.65	9.67	Garlic	1.05	16.06	16.87
				Cauliflower	0.19	12.57	2.39	Cauliflower	0.66	14.37	9.49	Cauliflower	1.05	15	15.76
				Onion	0.19	14.68	2.79	Onion	0.66	14.03	9.26	Onion	1.05	14.64	15.38
				Oil Seed (Mustard, Linseed)	0.19	11.68	2.22	Oil Seed (Mustard, Linseed)	0.51	13.82	7.05	Oil Seed (Mustard, Linseed)	1.05	13.94	14.64
				Fodder (Barseem)	0.22	12.68	2.79	Fodder (Barseem)	0.81	14.14	11.46	Fodder (Barseem)	1.05	14.52	15.25
				Total	14.91	87.02	73.48	Total	14.91	96.22	113.6	Total	14.91	101.2	151.68

## SUB PROJECT DEVELOPMENT PLAN

**Table : 33Crop Diversification Plan/Annual Agricultural Development Plan and Progress After Completion of Construction in Kharif Season**

Sub-Project	FIS Gadhiman-Majhothi				District	Mandi	Block		Gohar		Staff in charge					
CCA	14.91 ha				No. of Custodian	68	No. of Cultivators		65		Date					
	Existing condition				Proposed plan after construction											
	( 2022-23 )				1st year ( 2025) 2nd Season				2nd year ( 2027) 4th Season				3rd year ( 2029) 6th season			
Crops	Area (Ha)	Unit Yield (ton/ha)	Production (ton)	Crops	Area (Ha)	Unit Yield (ton/ha)	Production (ton)	Crops	Area (Ha)	Unit Yield (ton/ha)	Production (ton)	Crops	Area (Ha)	Unit Yield (ton/ha)	Production (ton)	
	Cereal Crops				Cereal Crops				Cereal Crops				Cereal Crops			
Maize	11.84	1.54	18.3	Maize	10.04	1.98	19.94	Maize	8.43	2.06	17.37	Maize	6.18	2.55	15.78	
Pea	1.6	1.27	10.26	Flagship Crops				Flagship Crops				Flagship Crops				
Tomato	0.436	8.71	3.8													
French bean	0.312	16.02	5													
Orchard	0.72			Pea	1.66	12.33	20.48	Pea	1.69	15.83	26.76	Pea	1.75	17.66	30.91	
	14.91	27.54	37.36	Tomato	0.95	4.7	4.5	Tomato	1.5	6.34	9.5	Tomato	1.98	7.35	14.56	
				French bean	0.71	6.2	4.4	French bean	0.90	7.23	6.5	French bean	1.25	9.62	12.02	
				General Crops				General Crops				General Crops				
				Coriander	0.65	2.7	1.78	Coriander	0.83	2.72	2.25	Coriander	0.85	2.94	2.50	
				Soybean	0.50	5.5	2.75	Soybean	0.75	5.7	4.28	Soybean	0.90	8.89	8.00	
				Capsicum	0.25	1.6	0.98	Capsicum	0.30	3.33	1.00	Capsicum	0.58	3.34	1.940	
				Fodder (Sorghum)	0.16	9.5	1.52	Fodder (Sorghum)	0.51	10.25	5.23	Fodder (Sorghum)	1.42	10.58	15.03	
				Total	14.91	44.51	56.35	Total	14.91	53.46	72.89	Total	14.91	62.83	100.74	

## SUB PROJECT DEVELOPMENT PLAN

### **ABSTRACT OF CATEGORYWISE AREA AND PRODUCTION (AFTER CDP IMPLEMENTATION)**

**Table 34: Abstract of Category-wise Cropped Area and Production after Project Intervention (Kharif and Rabi Season)**

Category of farmer	Flagship Crops				Cereal Crop				Other Crops				Total			Remarks
	Crop	Area(ha)	Production (qt)	Income	Crop	Area(ha)	Production (qt)	Income	Crop	Area (ha)	Production (qt)	Income	Area(ha)	Production (qt)	Income	
A																
B																
C																

(Note: To be filled after the cropping season)

### **Income of Sub Project After project implementation per ha**

SN	SOURCE OF INCOME	After CDP Amount(in Rs)
1	Farming (Crops)	-
2	Livelihood activities	-
3	Other agro activities through Agri implements	-
4	Service Sector	-
5	Others	-
<b>Total Income per ha</b>		-

*Category wise monitoring of Kharif and Rabi season will be done every year as per the above mention Tables. Category of farmers will change as per their level of crop diversification.*





### 4.3 Value Chain and Market Development Plan (MDP)

Defective crop planning, forced sale, inadequate storage facilities, lack of market information, superfluous middlemen and inadequate processing facilities are prominent problems of Agriculture Marketing in the target area. The farmer need to upgrade the skills on producer cum seller in domestic and distant market.

The farmers need to know answer to questions like:

- What to produce?
- When to produce?
- How much to produce?
- Value addition strategies?
- When and where to sell?
- At what price and to whom to sell?

Therefore, the production technology as well as market oriented knowledge will be provided to farmers by the project. Existing and Proposed value chain for the vegetable crops and market development plan is as under.

**Table 35: Existing Value Chain and Market Development Plan of Sub Project**

S.No	Name of Produce	Quantity of Produce (qt)	No of farmers selling produce	Qty for Sale ( qt)	Marketing Channel	Value added products
1	Wheat	Self-consumption	-	-	-	Wheat flour, Animal feed
2	Maize	Self-consumption			-	Flour, Animal feed
3	Pea	Self-consumption	-	-	-	-
4	Apricot	Self-consumption	-	-	-	Pickle, Chutney, Candy
5	Vegetables (Radish, Cauliflower)	Self-consumption	Kitchen garden by 21 farmers	-	-	Mix Pickle

## SUB PROJECT DEVELOPMENT PLAN

<b>10</b>	Soybean	Self-consumption and Sale	-	-	Local Purchaser/ Vendors	As pulse and to make Kachori
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The planning of crops is done based on market demand and project activities range from production stage, pre/post harvesting stage, processing stage, distribution to retailing stage. After achieving the required level of area and production of flagship and other vegetable crops, motivate farmers to aggregate various producers into FIG and clusters with the vision to collective viable clusters into F.P.O.to gain from economics of scale and better risk management.

In view of this value chain of different flagship and general crops is given below:

**Table 36: Detail of value chain of Flagship and general vegetables**

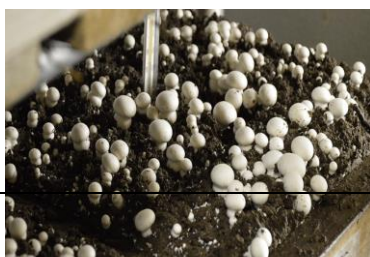
Crop	Approx. time of Harvest	Value Chain
<b>Pea (Kharif)</b>	August-October	Harvesting – Washing- Processing(Frozen pea)- Marketing- Storage
<b>Pea (Rabi)</b>	Nov- March	Harvesting – Washing- Processing(Frozen pea)- Marketing- Storage
<b>Tomato</b>	June- Sept	Harvesting – Washing- Processing( Ketchup, Tomato Puree etc)-Marketing- Storage
<b>Potato</b>	Nov / March	Harvesting – Washing- Processing( Chipsetc)- Marketing- Storage

**Table 37: Proposed Value Chain and Market Development Plan of Sub Projectafter CDP Implementation**

Sr.No.	Name of Produce	Quantity of Produce (qt)	No of farmers selling produce	Qty. for Sale ( qt)	Marketing Channel	Value added products
<b>Flagship Crops</b>						
1	Tomato					
2	Cucumber					
3	Onion					
4	Garlic					
5	Pea					
6	Potato					
7	..					
8	..					
9	...so on					

## SUB PROJECT DEVELOPMENT PLAN

<b>Cereal Crops</b>						
1	Wheat					
2	Maize					
	..					
	.. so on					
<b>Oil Seeds Crops</b>						
1						
2						
<b>Other ( Fruit Crops etc)</b>						
1						
2						



#### 4.4 Livelihood Development Plan (LDP):

Specific livelihood improvement support under on- farm/off-farm activities and service sector activities will be provided to the vulnerable families under the project. During PRA activity and household survey 7 No of vulnerable families already identified as BPL families and 5 No farming family having very less land holding and less income from all sources. They will be supported for livelihood activities as per budget provision in order of preference in consultation with KVA, beneficiaries. The following farming families were categorized for livelihood support activities. The categorized farmers gave their preference for different livelihood support activities. The detail of beneficiary and suitable livelihood activity in order of preference is summarized as under:

**Table 38: Priority wise detail of farmers interested towards livelihood activities**

S.N	Name of farmer	HPCDP FRN	First Priority	Second Priority	Third priority	Remarks
1.	Nageshwaru Devi	P290/GOH/GADHIMAN/27	Mushroom	-	-	-
2.	Neelmani S/o Bali ram	P290/GOH/GADHIMAN/63	Mushroom	-	-	-
3	Mohan s/o Shobha ram	P290/GOH/GADHIMAN/31	Mushroom	-	-	-
4	Kanshi Ram	P290/GOH/GADHIMAN/35	Mushroom	-	-	-
5	Hira lal S/o Pune Ram	P290/GOH/GADHIMAN/68	Mushroom	-	-	-
6	Gaurja Devi W/o Uttam Chand	P290/GOH/GADHIMAN/3	Mushroom	-	-	-
7	Ishwar Das S/o Nandlal	P290/GOH/GADHIMAN/59	Mushroom	-	-	-

## SUB PROJECT DEVELOPMENT PLAN

8	Pawan S/o Shobha Ram	P290/GOH/GADHIMAN/30	Dairy Farming	-	-	-
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(Source: PRA Exercise)

**Final list of farmers selected for Livelihood Programme as per criteria of project**

S.N	Name of farmer	HPCDP FRN	First Priority	Second Priority	Third priority	Remarks
1.	Nageshwaru Devi	P290/GOH/GADHIMAN/27	Mushroom	-	-	-
2.	Neelmani S/o Bali ram	P290/GOH/GADHIMAN/63		-	-	-
3	Mohan s/o Shobha ram	P290/GOH/GADHIMAN/31		-	-	-
4	Kanshi Ram	P290/GOH/GADHIMAN/35		-	-	-
5	Hira lal S/o Pune Ram	P290/GOH/GADHIMAN/68		-	-	-
6	Gaurja Devi W/o Uttam Chand	P290/GOH/GADHIMAN/3		-	-	-
7	Ishwar Das S/o Nandlal	P290/GOH/GADHIMAN/59		-	-	-
8	Pawan S/o Shobha Ram	P290/GOH/GADHIMAN/30	Dairy Farming	-	-	-

### Service Sector:

The service sector encompasses a wide range of economic activities that involve the provision of intangible goods or services to customers. It includes *motor repair, driving farm machines, band party, tailoring, electrician, plumbing* in HDPE and Irrigation related pipeline repair (Based on List of beneficiaries selected in PRA and KVA General House)

**Table 39: Detail of farmers interested towards Service Sector Activities for Livelihood Support**

S.N	Name of farmer	HPC DP FRN	Present Status of occupation	First Priority	Second Priority	Third priority	Remarks
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## SUB PROJECT DEVELOPMENT PLAN

1	Jeevan lal S/o Khem Singh	P290/G OH/GA DHIM AN/53	Agriculture and Labour	Electrician	-	-	-
2	Bodhraj S/o Hem raj	P290/G OH/GA DHIM AN/28	Agriculture and Labour	Driving of farm machinery /commerci al vehicals	-	-	-
3	Premchand S/o Tara	P290/G OH/GA DHIM AN/29	Agriculture and Labour	Electrician	-	-	-
4	Gaunu Ram S/o Nagnu	P290/G OH/GA DHIM AN/66	Agriculture and Labour	Service Sector training (Mason work)	-	-	-
5	Dola ram S/o Bali Ram	P290/G OH/GA DHIM AN/62	Agriculture and Labour	Service Sector training (Mason work)	-	-	-
6	Bodu Ram S/o Bali Ram	P290/G OH/GA DHIM AN/61	Agriculture and Pension	Service Sector training (Capenter)	-	-	-

(Source: PRA Exercise)

### Final List of farmers selected for Livelihood Programme as per criteria of project

S.N	Name of farmer	HPC DP FRN	Present Status of occupation	First Priority	Second Priority	Third priority	Rema rks
1	Jeevan lal S/o Khem Singh	P290/G OH/GA DHIM AN/53	Agriculture and Labour	Electrician	-	-	-
2	Bodhraj S/o Hem raj	P290/G OH/GA DHIM AN/28	Agriculture and Labour	Driving of farm machinery /commerci	-	-	-

### SUB PROJECT DEVELOPMENT PLAN

				al vehicals			
3	Premchand S/o Tara	P290/G OH/GA DHIM AN/29	Agriculture and Labour	Electrician		-	-
4	Gaunu Ram S/o Nagnu	P290/G OH/GA DHIM AN/66	Agriculture and Labour	Service Sector training (Mason work)	-	-	-
5	Dola ram S/o Bali Ram	P290/G OH/GA DHIM AN/62	Agriculture and Labour	Service Sector training (Mason work)	-	-	-
6	Bodu Ram S/o Bali Ram	P290/G OH/GA DHIM AN/61	Agriculture and Pension	Service Sector training (Capenter)	-	-	-
7	Nageshwaru Devi	P290/G OH/GA DHIM AN/27	Agriculture	Mushroom	-	-	-
8	Neelmani S/o Bali ram	P290/G OH/GA DHIM AN/63	Agriculture	Mushroom	-	-	
9	Mohan s/o Shobha ram	P290/G OH/GA DHIM AN/31	Agriculture	Mushroom	-	-	-
10	Kanshi Ram	P290/G OH/GA DHIM AN/35	Agriculture	Mushroom	-	-	-
11	Hira lal S/o Pune Ram	P290/G OH/GA DHIM AN/68	Agriculture	Mushroom	-	-	-
12	Gaurja Devi W/o Uttam	P290/G OH/GA DHIM	Agriculture	Mushroom	-	-	-



## SUB PROJECT DEVELOPMENT PLAN

	Chand	AN/3					
13	Ishwar Das S/o Nandlal	P290/G OH/GA DHIM AN/59	Agriculture	Mushroom	-	-	-
14	Pawan S/o Shobha Ram	P290/G OH/GA DHIM AN/30	Agriculture	Dairy Farming	-	-	-

### 4.4.1 Capacity Development Plan for implementing CDP:

- Areas of training/ capacity building: (Activities will be planned at different levels of project activities i.e.before and after construction)
- Orientation and Need Assessment
- Training on farm economy management, preparing crop calendar and production plan based on market demand.
- Training and method demonstration on flagship crops and other vegetable/ cereals.
- Training on food grain productivity including method demonstration
- Assistance on suitable farm machinery
- Support on critical farm inputs like MIS/WST/Seeds? Mulching sheet etc. as per MoD and budget provisions.
- Other trainings

(Source: MoD and Guidelines of Project)

## SUB PROJECT DEVELOPMENT PLAN

### “Summary of Plan for the Sub Project FIS Gadhiman-Majhothi by the HPCDP Team”

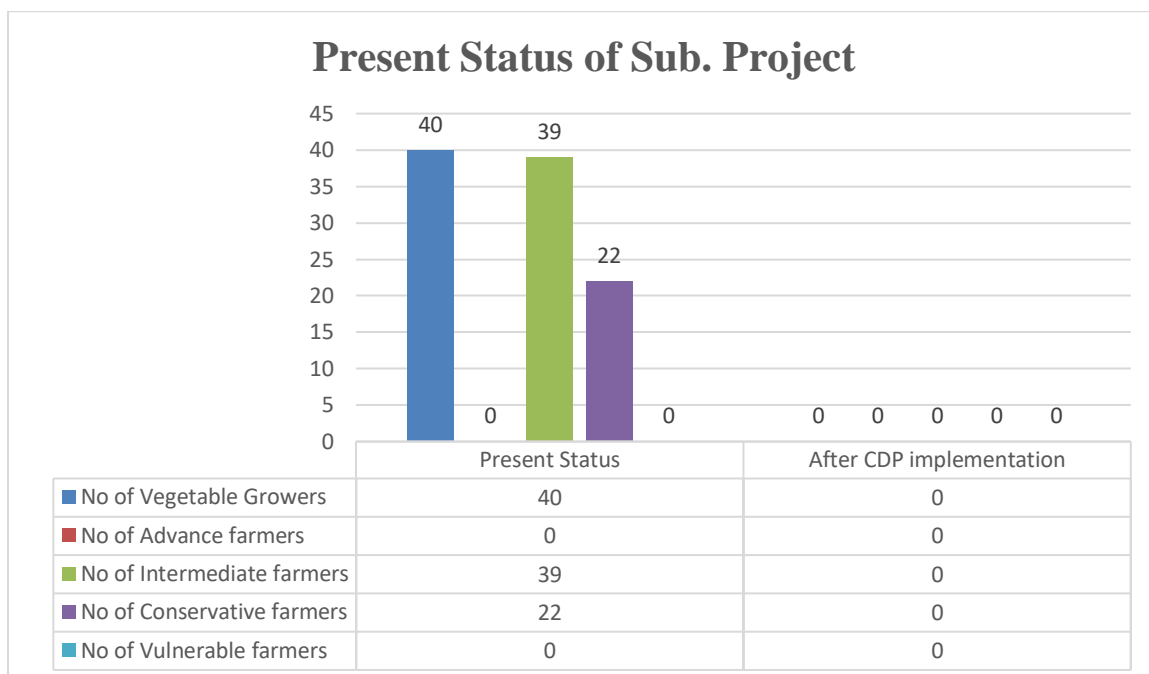
#### Present Status of sub project and Outcomes to key monitoring indicators:

To assess the success or impact of the project interventions, it is necessary to gather actual data on the current status w.r.t to key monitoring indicators. This would involve measuring the actual yield levels, household income, No. of farmers under different categories before and after the project interventions.

**Table:40 Status of Sub project and Target as per MoD**

Sr.No.	Particulars	Target as per MoD	Present Status	After CDP implementation(1st cropping Season)
1	Area diversified under vegetable crops	More than 30 %	41.69% (6.217 ha)	-
2	No of Vegetable Growers	--	40	-
3	No of Advance farmers	--	5	-
4	No of Intermediate farmers	--	40	-
5	No of Conservative farmers	--	22	-
6	No of Vulnerable farmers	--	1	-
7	No of farmers under Livelihood Activities	--	61	-
8	Gross Agriculture Income (in Rs.per ha)	2,50,000/-	65,102.48/-	-

## SUB PROJECT DEVELOPMENT PLAN



### Plan for the Sub Project FIS Gadhiman-Majhothi by the HPCDP Team

#### Plan to achieve the Project Targets:

- ❖ Developing infrastructure facilities at sub project as per creation of production infrastructure facilities in sub project as per DPR.
- ❖ Implementation of SDP ( Sub Project Development Plan)

#### ❖ Crop Diversification Plan:-

Detail of Flagship crops identified, general crops, production and productivity for the sub project after the implementation of Crop Diversification Plan. The CDP/ADP plan is proposed for three years (6 cropping season) and abstract of area, production, productivity and number of farmers is given below:

#### Crop detail Existing and Target as per MoD

Sr.No	Name of Crop	Area (in ha)	Pre-project yield (As per HHs)	Targeted Yield (as per MoD)	% deficit yield
1	Maize (Kharif )	11.837	15.46 qt/ha	27qt/ha	42.74
2	Wheat (Rabi)	10.315	17.33 qt/ha	29qt/ha	40.24
3	Pea	5.3691	74.58 qt/ha	126qt/ha	40.81
4	Tomato	0.4356	87.33 qt/ha	400qt/ha	78.17
5	Potato	0.1	85 qt/ha	200qt/ha	57.5
6	Frenchbean	0.312	50 qt/ha	-	-

## SUB PROJECT DEVELOPMENT PLAN

### PLAN FOR KHARIF SEASON (3 years)

Name of crop (Kharif Season)		Proposed Area(in ha)	Tentative No of farmers/ growers
Cereal Crop	Maize	6.18	35
Flagship Vegetable Crop	Pea, Frenchbean , Tomato	4.98	15
General Crops	Coriander, Soybean and other crops	3.75	19

### PLAN FOR RABI SEASON

Name of crop ( Rabi Season)		Proposed Area(in ha)	Tentative No of farmers/ growers
Cereal Crop	Wheat	4.28	17
Flagship Vegetable Crop	Pea	5.4	29
General Crops	Potato, Garlic and other Leafy vegetables, cauliflower	4.2	22

### ❖ Livelihood Plan:

Activity	Ist Priority (No of Families)	IInd Priority (No of Families)	IIIrd Priority (No of Families)
<b>Dairy Farming</b>	-	2	-
<b>Mushroom Cultivation</b>	-	7	-
<b>Bee keeping</b>	-	-	-
<b>Back yard Poultry</b>	-	-	-
<b>Service Sector</b>			
Driving of farm machinery/commercial	-	1	-

## SUB PROJECT DEVELOPMENT PLAN

vehicals			
Motor Mechanic	-	-	-
Carpenter	-	1	-
Mason		2	
Electrician		2	