

Indo German Watershed Development Programme (IGWDP- Gujarat)

Project Completion Report (PCR)

Reporting formats and Structure

2017

PROJECT COMPLETION REPORT (PCR)

Name of the Project: DGN Watershed

Name of the PFA: Development Support Centre

1. Overview of the Project

Name of the district		Aravalli	
Name of the Taluka		Meghraj	
Name of the Villages & Gram Panchayat		Dhandhiya, Gaywachhrda, Navaghra	
Longitude	73-30-38	Latitude	23-30-32
Elevation (above MSL)			
Highest elevation	212	Lowest elevation	190
Height difference		22	
Average annual Rainfall		800mm	
Major drainage		Mazum and Vatrak catchment	
Slope		2 to 33%	
Soil type		Alluvial	
Major crops		Maize, Wheat and Cotton	
Water resources		Dug well, bore well	
Demographic Details			
Population		3571	
Of which SC / ST (%)		90.5%	
Landless (%)		2.2%	
SF / MF up to 2 ha		81HH out of 627HH	
Male		1842	
Female		1729	
Amenities (nearest) and Distance in Km.			
Railway station		Modasa (33Km)	
Bus stand		Meghraj (12Km)	
Town		Meghraj (12km)	
Bank		Meghraj (12km)	
Agriculture market		Meghraj (12km)	
Agriculture research station		Godhra (120Km.)	
Veterinary hospital		Meghraj (12km)	
Mandal office		Meghraj (12km)	

2. Financial Details

A. CBP

as on 30th June, 2017

(Amount in Rs)

Sr.No	Particular	Project Measures	Project Management	Others (if any)	Total
1	Grant sanctioned	521355	149527		670882
2	Grant released	521355	149527		670882
3	Grant utilized	516602	149528		666130
4	Grant balance (2-3)	4753	-1		4752

B. FIP

Sr.No	Particular	Project Measures	Project Management	Others (if any)	Total
1	Grant sanctioned	8727050	1322941		10049991
2	Grant released	7477750	1322941		8800691
3	Grant utilized	7141711	1322941		8464652
4	Grant balance (2-3)	336039	0	0	336039

3. Project Implementation:

a. CBP (Prepare this table as per CBP sanction)

Sr. No.	Activities Sanctioned	Total Sanctions		Achievement		% Completion of Unit
		Physical (No./rmt/cum/ha)	Financial (Rs.)	Physical (No/rmt/cum/ha)	Financial (Rs.)	
A.	Area Treatment					
i	Earthen Farm Bund	105.49	182922.00	100	193994	95
ii	Gully Plug	3	26151.00	3	30537	100
iii	Farm outlet	8	190803.00	7	193434	88
iv	Afforestation	400	1612.00	0		0
v	Nalla Plug	6	95286.00	5	75386	83
	Subtotal of A		496774		493351	
B	Supervision		24581		23251	
	Sub Total B		24581		23251	
	Total(A+B+C+D)		521355		516602	

b. (Prepare this table as per FIP sanction)

Sr. No.	Activities Sanctioned	Total Sanctions		Achievement		
		Physical (No./rmt/cum/ha)	Financial (Rs.)	Physical (No. / rmt/cum/ha)	Financial (Rs.)	
A	Crop Land Development (Area Treatment)					
1	Earthen Farmbund (0.72 Sqm)	50442.48	1614159	55502	2249384	110
2	Earthen Farmbund (0.72 Sqm) – ip	4263.84	136443	2787	90661	65
3	Stone Outlets(0.58 Sqm)	595.66	164807	96	46751	16
4	Stone Outlets(0.58 Sqm)-IP	100	12047	49	4839	49
5	Grass Seeding on bunds	70377	42508	19323	4239	27
6	Grass Seeding on bunds-IP	5922	3376	2665	3400	45
7	Repair of farm bund	226	7226	0	0	0
8	Stone farm bund (0.66 Sqm)	1079	304818	1480	509908	137
9	Stone farm bund (0.66 Sqm)-IP	292	48788	571	61472	196
10	Nalla Plug (Earthen)	267	167947	594	235023	222
11	Nalla Plug (Earthen)-IP	269	175105	274	214424	102
12	Stone Gully Plug	734	446589	1007	903541	137
13	Stone Gully Plug-IP	184	124423	184	124222	100
14	Masonry Farm Outlets-IP	7	128142	5	110491	71
	Crop Land Development (Total)	134758	3376377	84535	4558355	
B	Pasture & Grass land development (Wasteland development)			0	0	
1	Contour Trench	4221	118247	2820	76746	67
2	Contour Trench (0.50 Sqm)-IP	100	2000	0	0	0
3	Plantation (Afforestation)	48258	580616	18650	449521	39
4	Plantation (Afforestation)-IP	450	5292	0	5290	0
	Pasture & Grass land development (Total)	53029	706155	21470	531557	40
C	Drainage Line Treatment					
1	Check dams	6	375948	0	28148	0
2	Masonry Stone Outlets	251.6	748195	74	943418	29
	Drainage Line Treatment Total	258	1124143	74	971566	
	Total of Physical Measures (A+B+C)		5206675	106080	6061478	
D	Agriculture Development (Agriculture Interventions for livelihood enhancement)					

D.1	Demonstration of Agriculture Crops					
1	Hybrid Maize Demonstration (1 Bigha)	18	31050	9	22650	50
2	Hybrid Pigeon Pea (1 Bigha)	18	21330	6	9795	33
3	Ginger Demo (0.6 Bigha)	18	29700	6	18365	33
4	Turmeric Demo	18	29700	6	14360	33
5	Onion Demo	18	16200	6	12247	33
6	Soya been Demo (1 Bigha)	10	10020	6	7070	60
7	Vegetables Kit for Farmers	275	24750	133	32300	48
8	Chilly Demo (Guj Chilly 111) (1 Bigh)	18	26730	0	15910	0
9	Geen Gram Demo in summer	18	18900	7	3925	39
10	SRI Paddy Demo(1 Bigha)	18	19656	6	4715	33
11	west varital Demo (GW-496 & Harista)	18	27000	9	25729	50
12	Mustard Varietal Trial (Pioneer)	18	15120	6	11215	33
13	Gram Demo (GG-2 &Dahod Yellow)	18	46980	9	37887	50
14	Fodder Grass Demo For Fodder Development	18	16200	2	2830	11
15	Vermi compost Production Technology Demo (9.7 Sqm Including 3 Beds)	18	115765	0	59030	0
16	K.B Drip Irrigation (0.4 Ha)	3	22500	0	0	0
17	Drum Drip Irrigation System (0.1 Ha)	18	30240	0	0	0
18	Ber Grafting (Nos)	300	3600	0	2000	0
19	Agro Horticulture Plantation	5400	324000	2455	234330	45
D.2	Risk Mitigation and cost Reduction			0	0	
1	Organic Farming Demo for Wheat & Maize	18	62100	6	39079	33
D.3	Technology Investment			0	0	
1	Seed Drill	5	7500	0	0	0
2	Weeding Tools	5	2400	0	0	0
3	Ginger Processing Machine With Solar Dryer	1	28200	0	0	0
4	Spray Pump For Pesticides	5	4500	0	2700	0
5	Mini Rain Guns	3	27000	0	0	0
	Agriculture Development Total		961141	2672	556137	
E	Women Development					

1	pulley on wells	20	15000	0	0	0
2	Chaff cutter	18	4500	0	0	0
3	Maize sheller	200	10000	70	10500	35
4	Fibre sheets	200	10000	0	5760	0
5	Smokeless chulla	200	40000	0	10000	0
	Women Development Total		79500	70	26260	
F	Live Stock Development			0	0	
1	Goat Unit (4 +1) (Sirohi)	32	64000	0	0	0
2	Female Buffalo (Mehsana)	10	50000	4	40000	40
3	Poultry Unit of 25 improved poultry birds	25	25000	0	0	0
	Live Stock Development total		139000	4	40000	
G	Irrigation Development			0	0	
1	Well recharge system	30	33750	0	0	0
2	Repairing of wells	78	156000	0	0	0
	Irrigation Development Total		189750	0	0	
H	Rainguage Installation IP	1	3000	3000	3000	
	Sub Total (A to H)		6579066	111826	6686875	
I	Support of Federation SHG	1	125000	0	0	0
J	Supervision Cost on Unskilled labour (10% of Unskilled Labour)		358512	0	437673	
K	Supervision Cost on Unskilled labour (8% of Unskilled Labour) IP		0	0	17163	
L	Transportation Cost of Materials (2% of Materials Cost)		0	0	0	
M	Unallocated fund (6% of Total Cost)		236381	0	0	
N	Contribution to Maintenance Fund		351423	0	0	
O	TOTAL TO VWC WITHOUT CONTINGENCY		7650381	111826	7141711	
P	Contingency (5%)		405369	0	0	
Q	(Total cost of project Measure)Total to VWC with contingency		8055750	111826	7141711	
R	Administration and Management Cost (20% of Total cost for Project Measures)		1181904	0	0	
R	Grand Total		9237654	111826	7141711	

4. VWC status:

Registered	Yes
Total No. of members	13
No. of women members	04
Registration no. and date (<i>If registered</i>)	Guj/3827/Sabarkantha
If cooperative is registered, date and registration number	

5. Community Contribution (Regular Shramadaan):

Particulars	CBP	FIP
Total labour payment	290636	3963173
Total estimated value of Shramadan	57740	724518
Shramadan as % of total labour cost	19.87	18.28

6. Project Measures:

Bank Account Details	CBP
Bank Account Opened	YES
If opened	
Name of the Bank Account	Dhandhiya Gayvacharda Navaghara Group Watershed
Name of Bank	Dena Gujarat Gramin Bank
Account No	753910009883
Grant sanctioned for	Rs. 670882
Grant received	Rs. 670882
Grant utilized	Rs. 666130
Balance grant account	Rs. 4752

Bank Account Details	IP/FIP
Bank Account Opened	YES
If opened	
Name of the Bank Account	Dhandhiya Gayvacharda Navaghara Group Watershed
Name of Bank	Dena Gujarat Gramin Bank
Account No	753910009883
Grant sanctioned for	Rs.10049991
Grant received	Rs. 8800691
Grant utilized	Rs. 8464651
Balance grant account	Rs. 336039

7. Maintenance Fund (MF):

Bank account	Opened
If Opened	
Name of Bank Account	Dhandhiya Gayvacharda Navaghara Group watershed
Name of Bank	Dena Gujarat Gramin Bank
Account No.	753910050619
Amount collected from families	Rs. 45,508
Interest transferred from Project Measures account	0
MF received from NABARD	0
Others/ Interest/ Awards/ Visitors fee	0
Total balance in 'MF ' account	Rs. 45,508 as on 30 th June 2017

8. Women Federation:

(Fin. Details as on _____)

Bank account	Opened/ Not opened
If Opened	
Name of Bank Account	
Name of Bank	
Account No.	
Grant sanctioned for	Rs.
Grant received	Rs.
Grant utilized	Rs.
Balance grant amount	Rs.
Bank Balance	Rs. as on _____

Cumulative loan disbursed	Rs. _____ as on _____
Loan outstanding	Rs. _____ as on _____

9. List of capital items purchased out of IGWDP grant:

a. From VWC account:

(Amount in Rs.)

Sl. No.	Item	Year of purchase	Grant used
1	Trunk	2013	2000

b. From Management cost:

(Amount in Rs.)

Sl. No.	Item	Year of purchase	Grant used
NA	NA	NA	NA

10. Impact:

A report on Impact of watershed development work may kindly be submitted as per the enclosed guidelines.

11. Watershed Information boards & locations

Sl. No.	Name of the board	Place	Remarks
1	Indo-German Watershed Program	Ugamdu fariyu Dhadhiya	Watershed map
2	Indo-German Watershed Program	Bus Stop Gayvachharda	Watershed map
3	Indo-German Watershed Program	Damor faliyu, Opp. Zarda school, Navagraha	Watershed map
4	Indo-German Watershed Program	Thakor faliyu, Near Bus-stand, Dhandhiya	Watershed map
5	Indo-German Watershed Program	Primary School No.1, Navaghara	Watershed map

Signatories

PFA

Person 1:

Signature : _____

Name : _____

Designation : _____

Person 2:

Signature : _____

Name : _____

VWC

Signature : _____

Name : _____

Designation : _____

Signature : _____

Name : _____

Designation : _____

Designation : _____

Enclosures:

1. Xerox copy of the updated 3 VWC bank accounts jointly operated by NGO & VWC (after closing of the account).
2. Certificate/document to show the closure of the account (Audit reports of VWC/NGO joint account and NGO project management account).
3. Xerox copies of the registration certificates of VWC & cooperative if exists.
4. A brief report on impact as per the guidelines.
5. Maps
 - a. Physical features map updated
 - b. Treatment map
 - c. Land use map before watershed
 - d. Land use map after watershed
 - e. Impact maps if any
6. Case studies

Enclosure: *(Guidelines for Assessment of Impact of Watershed Development)*

Impact assessment by VWC and PFA of Dhandhiya watershed project after 5 years of project implementation (including CBP period)

The list given below is indicative. The PFA and VWC are free to indicate any point which they feel important so far their watershed is concerned. There are few tables suggested under various themes. These tables have to be filled in and summary of each table may be given at the end of respective table.

1. Water storage capacity

Type of structure	Name of structure	Pre watershed					Post watershed					Additional storage capacity
		No.s	Storage capacity per structure (cum)	Total Storage capacity (cum)	Period of storage (months)	Usage	No.s	Storage capacity per structure (cum)	Total Storage capacity (cum)	Period of storage (months)	Usage	
1	2	3	4	5	6	7	8	9	10	11	12	13(5-10)
Sunken/ Dug out type	Farm Bunding/ TCB (rmt)	0	0	0	0	0	58289.05	1	58289.05	7 days		58289.05
	Farm ponds	0	0	0	0	0	0	0	0	0	0	0
	Dugout/ Sunken ponds	0	0	0	0	0	0	0	0	0	0	0
	Others (CCT)	0	0	0	0	0	2820	1	2820	10 days		2820
Heading type	Rock filled dam	0	0	0	0	0	0	0	0	0	0	0
	Gabions	0	0	0	0	0	0	0	0	0	0	0
	MPTs/ PTs	0	0	0	0	0	0	0	0	0	0	0
	Check walls/ Check dams	0	0	0	0	0	1	200	200	4 months	0	200
	Others	0	0	0	0	0	0	0	0	0	0	0
	Total								61309.05			61309.05

2. Ground Water

Part – A Open wells and Bore wells – Status and Irrigated area

Type of well	Pre watershed					Post watershed				
	Total no.s	Fully functional	Seasonal	Fully Defunct	Area (ha) Irrigated	Total no.s	Fully functional	Seasonal	Fully Defunct	Area (ha) Irrigated
Open wells	183	8	127	48	46.14	183	9	65	109	54.5
Bore wells	189	76	111	2	69.22	767	475	128	163	413.02
Others										
Total	372	84	238	50	115.36	950	484	183	282	467.52

Part -B Water levels

*The data has to be presented for same month before and after watershed
(Please refer Half yearly reports)

Number of observation wells	Pre Watershed (*month January 2012)			Post Watershed (*month January 2017)		
	Avg. depth of well (m)	Avg. depth of water table from ground (m)	Avg. Depth of available water (m)	Avg. depth of well (m)	Avg. depth of water table from ground (m)	Avg. Depth of available water (m)
Upper Reaches	20.03	2.34	17.73	20.03	7.62	12.34
Middle	16.74	5.82	10.92	16.74	8.32	8.42
Lower	16.92	4.92	12.01	16.92	8.48	8.44

3. Land Use and Status of fallow lands brought into cultivation:

S.No.	Type of land	Area in Ha.	
		Pre Watershed	Post Watershed
A	Crop Land		
1	Irrigated land	115.36	467.52
2	Dry land (Rainfed)	765.06	412.89
B	Fallows		
1	Uncultivable waste land	378.02	378.02
2	Cultivable Waste land (fallows)		
C	Others	220.56	220.56
	Total	1479	1479

4. Changes in Agriculture

a. Cropping systems and aggregate Production Assessment

Sl. No.	Crops	Production of major crops in the watershed					
		Pre watershed			Post watershed		
		Area (ha)	Yield (Q/ha)	Production (Qts.)	Area (ha)	Yield (Q/ha)	Production (Qts.)
Kharif							
	Crops						
1	Maize	704.32	11	7747.52	334.56	12.5	4182
2	Cotton	88.04	14	1232.56	158.48	18.9	2995.272
3	Pigeon Pea	44.03	4	176.12	26.41	5.33	140.7653
4	Castor	44.03	6	264.18	132.06	10	1320.6
5	Paddy	0	0	0	17.6	12	211.2
6	Juvar (fodder)	NA	NA	1158	140.87	4	563.48
7	Groundnut	0	0	0	17.6	7	123.2
8	Turmeric and Ginger	0	0	0	17.6	12	211.2
	Vegetable						
1	Vegetable and Guvar	0	0	0	35.24	5	176.2
		880.42		9420.38	880.42		9923.9173
Rabi							
	Crops						
1	Wheat	352.17	10	3521.7	593	45	26685
2	Gram	45	4	180	148	16	2368
	Vegetable						
Others/ 3rd crop							

b. Other Prominent changes in Agriculture

Particular	Pre Watershed	Post Watershed
Area under IPM/ INM (ha)	0	16
Are under organic agriculture (ha)	28	73

Area brought under Mixed cropping (ha)	464	655
Area under contour farming (ha)	0	0
Number of sprinkler and drip irrigation sets (Micro Irrigation)	31	407
Area brought under SRI (ha)	0	0
Fodder cultivation (ha)	1158	1563.48
Area brought under horticulture (ha)	0	0

5. Status of plantation

S.No.	Species	Pre Watershed	Post Watershed			Remarks
		Plantation area (ha.)/ Numbers	Plantation area (ha.)/ Numbers	Number of plants surviving / area (ha)	% age of survival	
1	AH	0	2455	982	40	
2	DH	0	0	0		
3	AF(bund)	0	18650	8392	45	
4	AF (block)	0	0	0	0	
5	Others	0	0	0	0	
	Total	0	21105	9374		

Source: Farmer wise and survey no wise Plantation Register and monthly progress reports.

Changes in Agri-allied activities:

6. Livestock

a. Summary of Livestock holdings:

Sl. No	Livestock	Population & Mortality			
		Pre watershed		Post watershed	
		Total no's	Mortality rates (High/ Med / Nil)	Total no's	Mortality rates (High/ Med / Nil)
1	Work animal	701	Medium	656	Medium
2	Buffaloes	355	Nil	735	Nil
3	Indigenous Cows	278	Nil	328	Nil
4	Sheep	102	Medium	70	Medium
5	Goat	255	Medium	1390	Medium
	Total	1691		3179	

b. Fodder Availability - Existing and proposed

S.No.	Source	Pre Development*		Post Development (estimated)*		Post Development (Actual)	
		Area (ha)	Total yearly Prod'n (t)	Area (ha)	Total yearly Prod'n (t)	Area (ha)	Total yearly Prod'n (t)
1	From Agricultural Crops						
A	Maize	704.32	2817.3	675.8	3379	334.56	1520
B	Pigeon Pea(fuelwood)	44.03	132.09	40.5	162	26.41	105
C	Castor (fuelwood)	44.03	110.08	56.45	169.35	132.06	550
D	Wheat	352.17	1056.5	572.27	2289.08	593	2329
2	From Grazing land	85.6	68.48	85.6	77.04	85.6	73.91
3	From Forest land	120.2	120.2	120.2	128.76	120.2	123.77
4	From Horti-pasture	0	0	0	0	0	0

* As mentioned in old Feasibility Report

c. Fodder & Drinking water Assessment:

Fodder	Pre watershed	Post watershed
Fodder availability throughout the year (Yes/No)	No	No.
If No, the scarcity period (no. of months in year)	3 months	2 months
Practices of meeting scarcity	Storage and procurement	Storage and procurement
If surplus, how is it managed	Storage on individual basis	Storage on individual basis
Livestock drinking Water		
Water availability throughout the year (Yes/No)	No	No
If No, the scarcity period (no. of months in year)		
Practices of meeting scarcity		

d. Dairy

Particular	Pre Watershed	Post Watershed
Number of Dairy Animal (local)		
Number of Dairy Animal (cross breed/ Improved)		
Number of Families involved in dairy		
Milk production per year (l)		
Milk procurement by cooperative (l)		

7. Socio-Economic changes

A. Institutions & Status:

S No	Type of People Institutions	Pre Watershed (No)	Post Watershed (No)
1.	SHG	0	5
2.	JLG	0	0
3.	Farmers Club	0	5
4.	SHG Federation	0	0
5.	Youth Clubs	0	0
6.	Others (Sujal Samiti)	0	3

B. Credit

i. Changes in credit disbursement in watershed area – Information from Banks

S No	Year	RRB		Commercial banks		Total Amount Disbursed
		No of Account	total Amount Disbursed	No of Account	total Amount Disbursed	
1	2008-09	NA	NA	NA	NA	NA
2	2009-10	NA	NA	NA	NA	NA
3	2010-11	NA	NA	NA	NA	NA
4	2011-12	NA	NA	NA	NA	NA
5	2012-13	NA	NA	NA	NA	NA
6	2013-14	NA	NA	NA	NA	NA

ii. Indebtedness and Intermediaries-Profile of loans-source wise

S.No	Source	Pre Watershed		Post watershed	
		Total no. of house holds	Percentage of households availing loans	Total no. of house holds	Percentage of households availing loans
1	Banks	NA	NA	NA	NA
2	Groups	0	0	67	10.4
3	Money Lenders	439	70%	339	54%
4	Relatives	NA	NA	NA	NA
5	Others	NA	NA	NA	NA

C. Migration

S.No.	Type	Pre Watershed (Number of HH)	Post Watershed (Number of HH)
1	Seasonal	45	5
2	Distress/ Drought	NA	NA
3	Permanent	2	3
4	Others (Specify)	NA	NA
5	Reverse Migration	NA	NA

D. Livelihoods

i. Summary of Livelihood activities by wealth rank category

S.No.	Wealth rank	Post watershed				Remarks
		Total No. of Households	No of loans/ units	Investments from Watershed program (Lakhs)		
				Grant	Revolving	
1	POP	16	48	67 lakhs	5 Lakhs	From Wallmart CSR to Sangam
2	Poor	253	628			
3	Middle	320	630		0	
4	Well off	38	29	NA	0	
	Total	627				

ii. Wage Days

Particular	Pre Watershed	Post Watershed
Wage days created by Watershed Project	0	27855
Agriculture wage days in a year (avg.)	100	180

iii. Income sources and Distribution of income sources across households

Income Sources	Pre- Watershed (% of Households)					Post Watershed (% of Households)				
	0	1-25	25-50	50-75	75-100	0	1-25	25-50	50-75	75-100
Wages	1	81	18	0	0	5	88	7	0	0
Agriculture	0	0	0	89	9	0	0	0	87	13
Livestock	0	64	36	0	0	0	79	21	0	0
Migration	93	7	0	0	0	99.3	.7	0	0	0
Others (mention) 1										
Others (mention) 2										

E. Social Norms

One VWC has been formed covering all three project villages namely Dhandhiya, Gaayvachharda and Navaghra. The VWC has developed their own bye-laws; they have defined the responsibilities of all members in the Samiti.

Core content of bye-laws formed by Sujal Samities is as followed:

1. Organizing regular monthly meetings
2. Criteria for eligibility of membership and disqualifying membership
3. Roles and responsibility of VWC and their members including maintenance of assets created in all three villages.
4. Gram Panchayat will be consulted and permission will be taken prior to major activity like installation of new hand-pump, repairing of hand-pumps, check dams, sanitation work etc.

F. Others

8. Trainings and Exposures

S.No.	Theme	No. trainings	No. of training days	No. of participants
Community				
1	Understanding watershed	1	2	39
2	Exposure visit – vision building	1	2	25
Para professionals				
1	Understanding Watershed	1	2	12
2	Technical Training	1	1	8
PFA and Staff				
1	Understanding Watershed	1	2	3
2	Exposure building – Vision building	1	2	4

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Nandu's Case Study

Mr. Nandlal Menat hails from one of the watershed village named Navaghra. He believes education is not the only way to success in a life but working for his own village, environment and community. This led him to associate himself with the DSC in 2009. He has done his B.A. in Gujarati. He was among the first Para workers from Navaghra village. His interest in ground water and agriculture was the major reason he was trained by DSC on various crop practices and ground water management techniques. He has proactively developed water security plans of his village and five other surrounding villages with the help of VWC, Gram Panchayat and SujalSamiti. He regularly ensures that it is being implemented through respective village institutions. He has a tendency to implement all scientific methods, new crop practices in his own farm and present it to his community as an example. His interest in environment and rural development led him to pursue a four and half month course on development management from AKRSP-I. He is currently working as a community organizer with DSC's Meghraj unit.



Maize Demo Case study

Khokhariya Haja Hira is a farmer of Ugamana Faliya of Dhandhiya village of Dhandhiya Gayvachharda Navaghra (DGN) group watershed. His family comprises of his wife Ratuben, son Bachubhai Hajaji and daughter Jasuben. He is having around 3 acre cultivable land. He generally cultivates Maize and soybean during Kharif season and Wheat during Rabi season. Under the watershed program Soil and Water Conservation (SWC) activities like farm bunding was undertaken in his land during the year 2010-11. In a patch of around 1 bigha land farm bunding activity was undertaken and that field was selected for the demonstration of **organic Maize crop** during the kharif season in the year 2011-12.



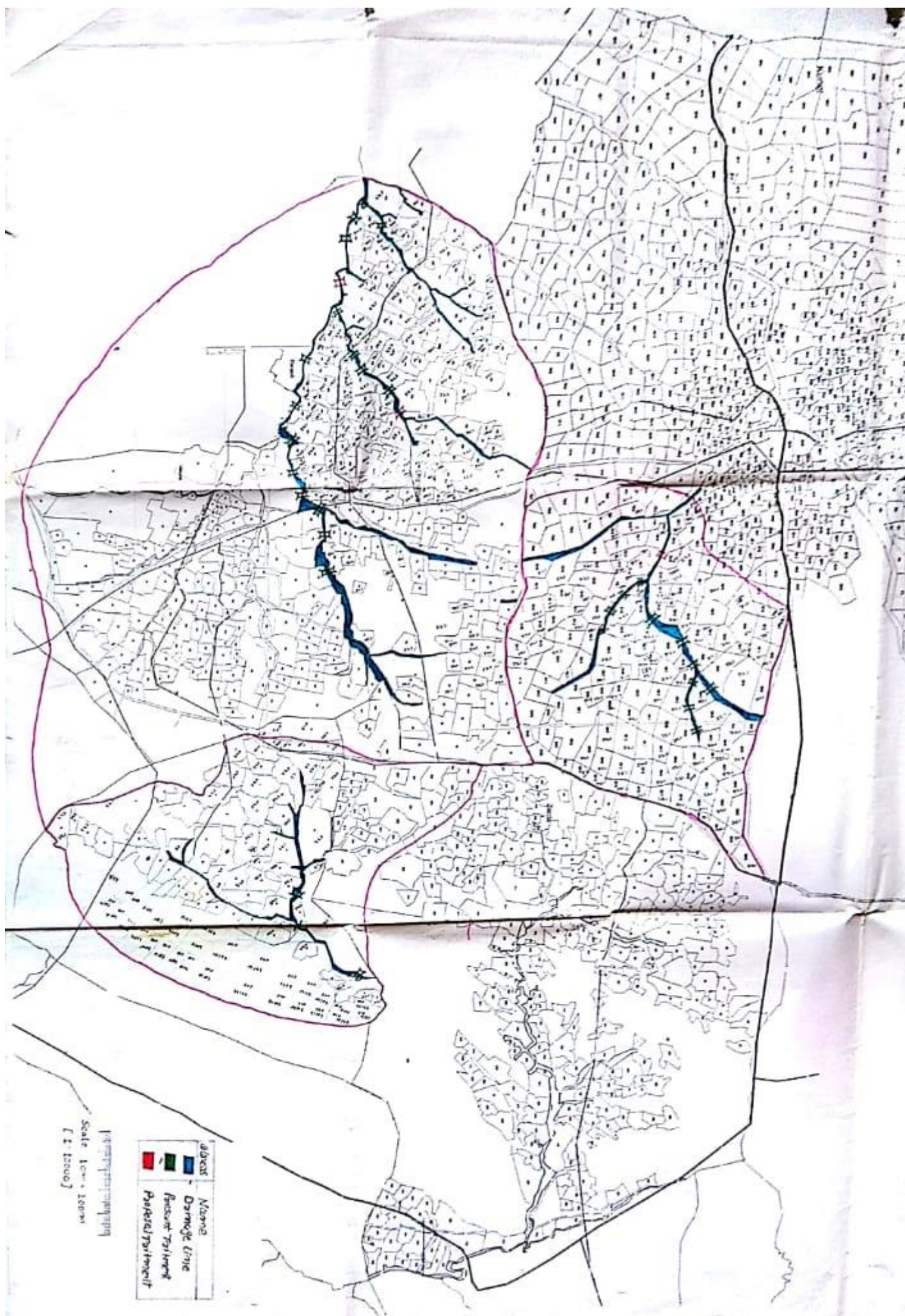
Maize demotration fig.1

The farmer was cultivating Deshi maize crop and was using chemical fertilizer for the decades. He was using around 20 kg DAP and around 50 Kg urea for cultivation of maize crop in that 1 bigha area for cultivation of Maize crop. The field staff and VWC supervisor together selected this farmer for carrying out demonstration of Organic Maize crop during the Kharif season in the year 2011-12. The farmer was informed that he will be provided all the inputs like seed, vermin-compost for setting up demonstration of organic Maize crop in his field. He will have to follow all the rules and regulations of demonstration and he will not use chemical fertilizer in particular in that field throughout the crop season. The idea of cultivation of maize crop by using organic fertilizer was new to the farmer, but he agreed to undertake the demonstration following all the rules. Accordingly he was given 20 KG hybrid pioneer maize seed and 50 kg Vermi-compost for setting up the demonstration in his field.



Block
CBP
IP
Phase - I
Phase - II
Phase - III

Scale 1 cm = 100 m
[1 : 10000]





Gayvachhada Watershed			
Income	Amount Rs	Expenditure	Amount
A/C Opening	500		0
Cumulative Grant Received CBP Phase	521335	Project Measures Expenses for CBP	516602
Cumulative Grant Received for IP and FIP Phase	7477750	Project Measures Expenses for IP and FIP	7141711
Cumulative Interest Received for CBP ,IP ,FIP	306294	Bank Charge	4047
Cash recipat	200	Aduit Charge	4000
Total	8306079	Grant Return for - RTGS/BKDNH17198953133/NABARD	627760
			8294120
		Balanace	11959