

# Water Security Plan Report

Date : 28-09-2023    Time : 12:17 PM    User Name : xen.ataljal@gmail.com

STATE: HARYANA\_6 »

DISTRICT: CHARKI DADRI\_701 »

BLOCK: BADHRA\_453 »

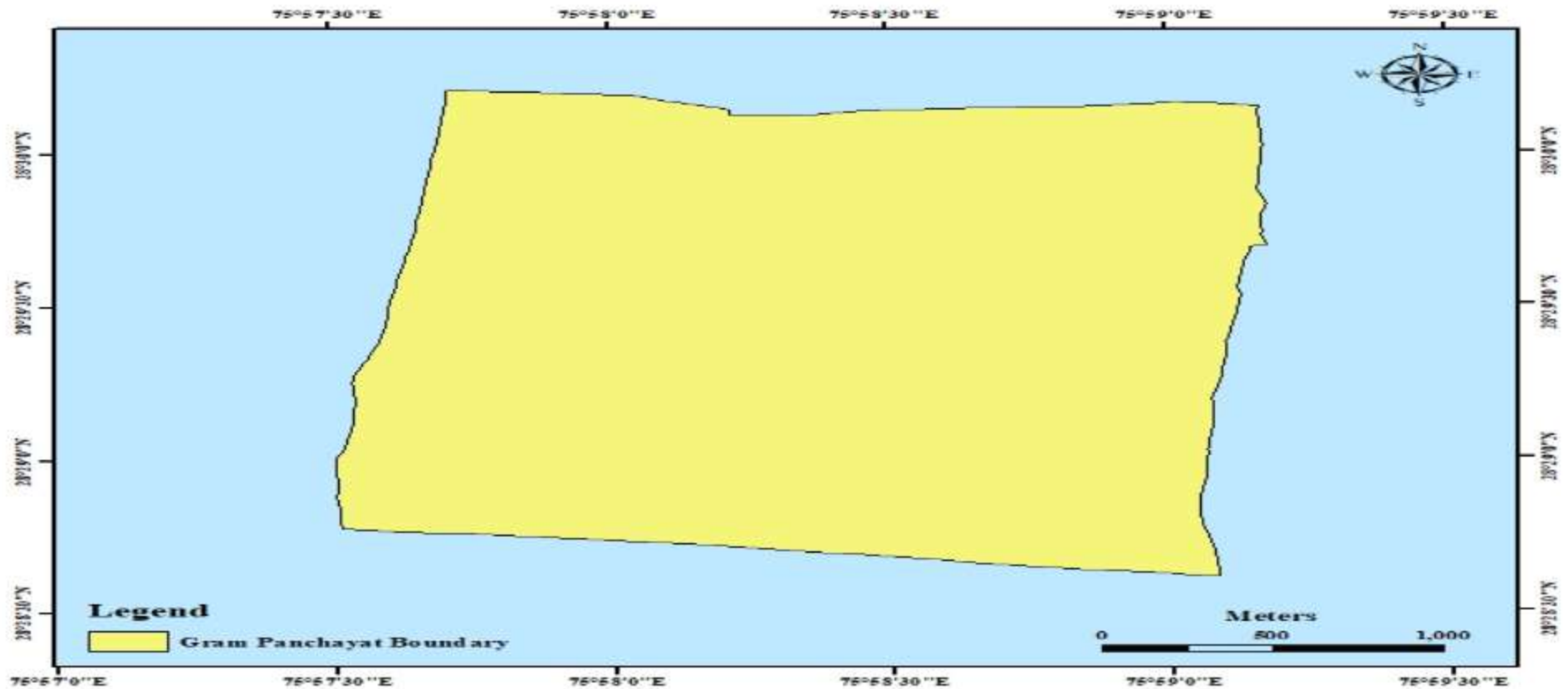
GRAM PANCHAYAT: CHANDWAS\_28191 »

YEAR: 2023-24 »

## Gram Panchayat Information

State:	Haryana_6	District:	Charki Dadri_701
Block / Taluk :	Badhra_453	GP Name :	Chandwas_28191
GP ID :	28191	Block Area (Ha) :	38706.02
GP area (Ha) :	657.00	Watershed Code :	CHNG003
Watershed name :	Chautang	Watershed area in Block / Taluk (Ha) :	38683.57
Sub-basin Code :	1	Sub basin name :	Chautang and Others
Basin Code :	11	Basin Name :	Ghaghar

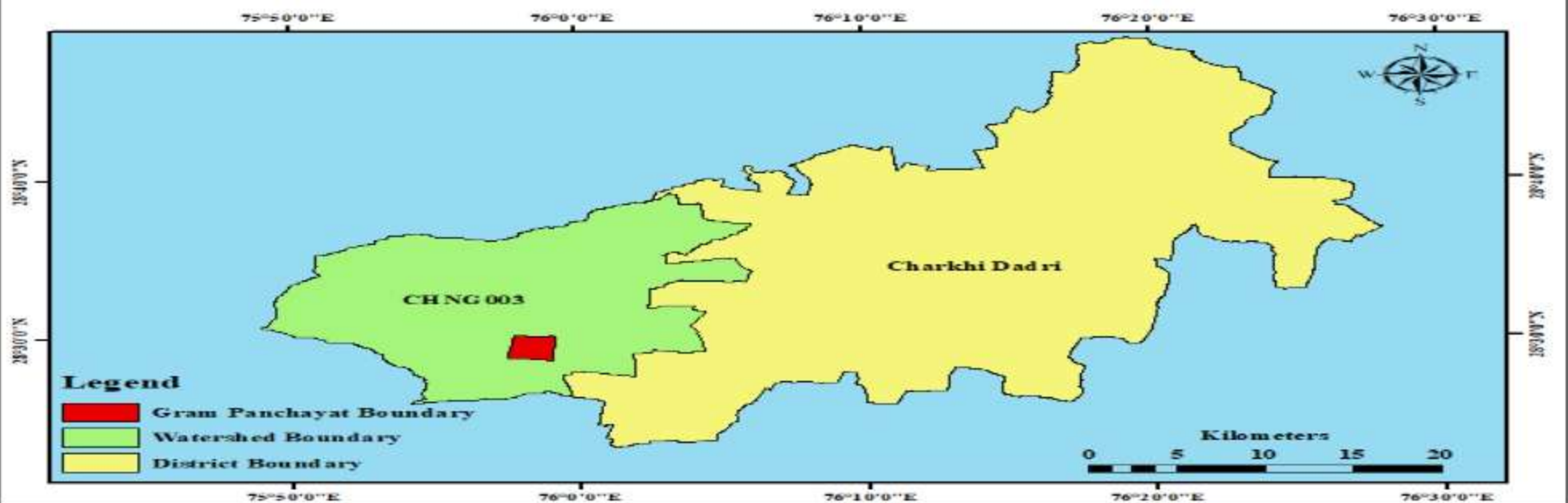
### Location Map: Gram Panchayat Chandwas, Block-Badhra, Charkhi Dadri



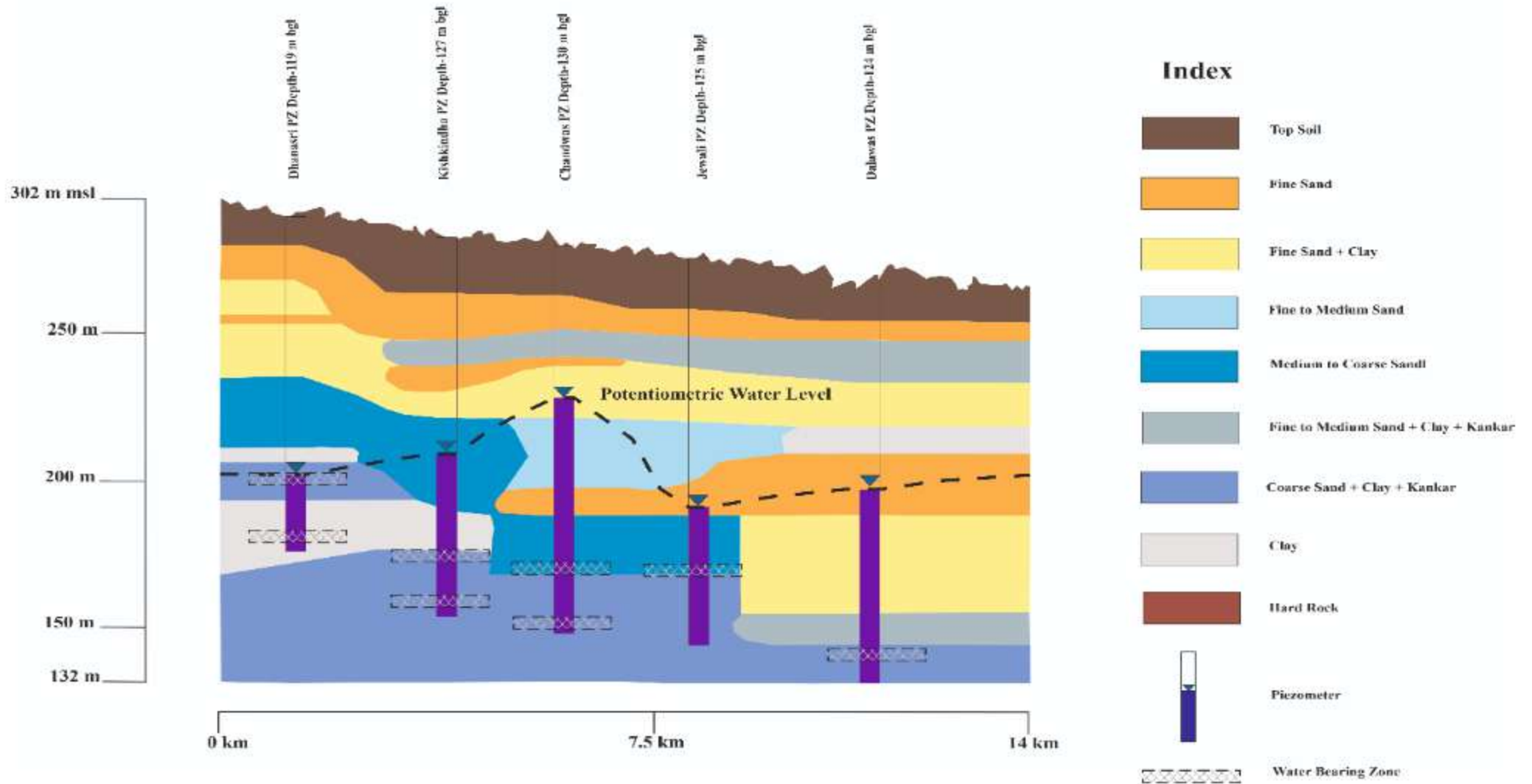
### Drainage Map: Gram Panchayat Chandwas, Block-Badhra, Charkhi Dadri



### Watershed Map: Gram Panchayat Chandwas, Block-Badhra, Charkhi Dadri



**Conceptual Aquifer map of Dhanasri-Kishkindha-Chandwas-Jewali-Dalawas, Badhra Block, Charkhi Dadri**



## Ground Water Level

S.No.	Site Name	Location Details	Latitude	Longitude	Date	Well ID	Type of Well	Other Well Type	Ownership Type	Government Source	Diameter of well(m)	Depth of Well(mbmp)	Height of Measuring Point (mbgl)	Water Level (mbgl)	Water Level Date
1	Chandwas	Vijendra open Bore Near tower	28.48973	75.98054	26:48.4	028191-001	Bore Well	null	Private	null	0.23	170	0.5	74.9	24-06-23
	Chandwas	Vijendra open Bore Near tower	28.48973	75.98054	26:48.4	028191-001	Bore Well	null	Private	null	0.23	170	0.5	74.6	25-07-23
	Chandwas	Vijendra open Bore Near tower	28.48973	75.98054	26:48.4	028191-001	Bore Well	null	Private	null	0.23	170	0.5	74.51	25-08-23
	Chandwas	Vijendra open Bore Near tower	28.48973	75.98054	26:48.4	028191-001	Bore Well	null	Private	null	0.23	170	0.5	75.69	29-04-23
	Chandwas	Vijendra open Bore Near tower	28.48973	75.98054	26:48.4	028191-001	Bore Well	null	Private	null	0.23	170	0.5	75.47	24-05-23
	Chandwas	Vijendra open Bore Near tower	28.48973	75.98054	26:48.4	028191-001	Bore Well	null	Private	null	0.23	170	0.5	74.53	25-09-23

S.No.	Site Name	Location Details	Latitude	Longitude	Date	Well ID	Type of Well	Other Well Type	Ownership Type	Government Source	Diameter of well(m)	Depth of Well(mbmp)	Height of Measuring Point (mbgl)	Water Level (mbgl)	Water Level Date
2	Chandwas	Government Sr. Secondary School	28.49237	75.97803	49:58.0	028191-003	Piezometer	null	Government	SGWB	0.1	130.5	0.5	70.52	18-09-23

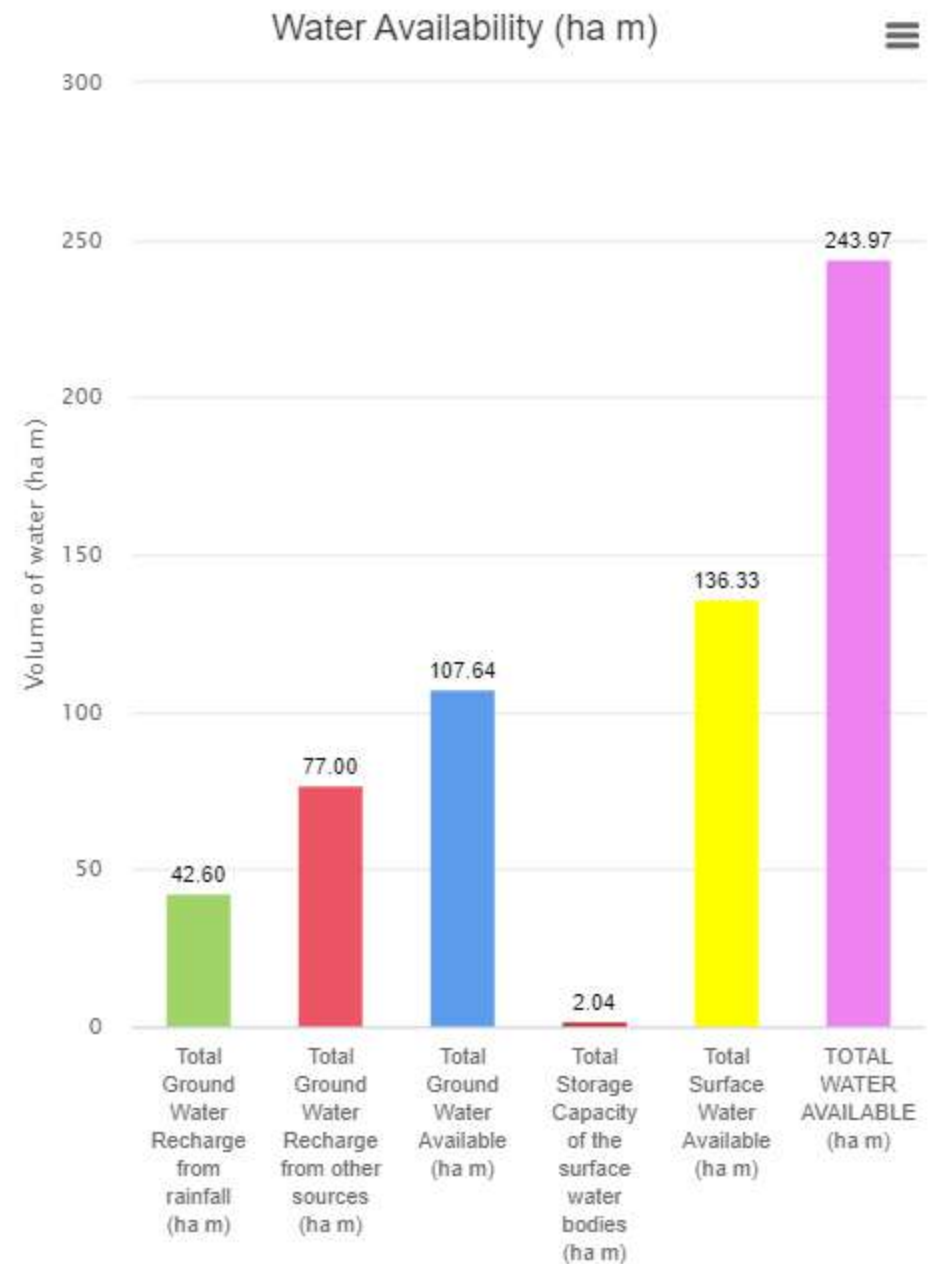
## Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	CHANDWAS	Kartar	28.487526	75.973579	2022	Tube Well	I&WRD	CHA_BAD_CHA_01
2	CHANDWAS	Balwan	28.491549	75.97506	2022	Tube Well	I&WRD	CHA_BAD_CHA_02

S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC (μS/cm)	TDS (mg/L)	TH (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	Carbo nate (mg/L)	Bicar bonate (mg/L)	Sulph ate (mg/L)	Chlor ide (mg/L)	Fluo ride (mg/L)	Nitr ate (mg/L)
1	CHA_BAD_CHA_01	152	Unconfined	7.6	1298	778	104	30.5	6.8	172	2	0	356	150	68	0.4	5.92
2	CHA_BAD_CHA_02	85	Unconfined	7.8	1018	610	348	62.8	46.8	147	1.8	0	312	24	68	0.14	3.42

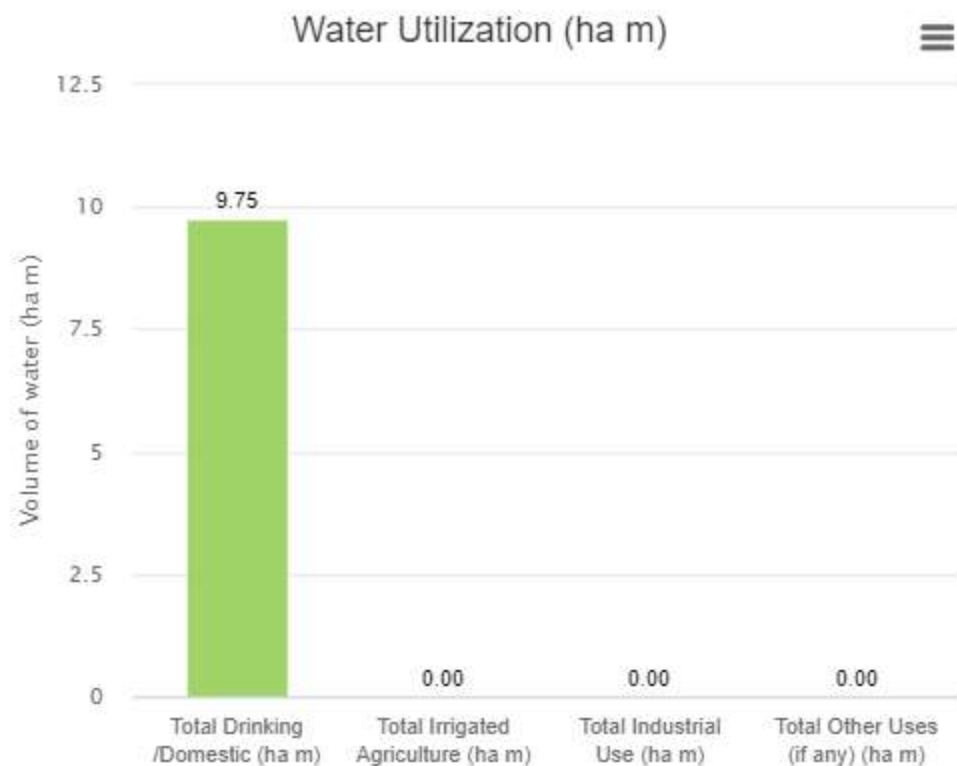
## Water Availability Report

Water Availability		
<b>1.</b>	<b>Total Available Water From Rainfall</b>	
a.	Annual Rainfall (mm)	592.39
b.	Estimated Volume of Rainfall (ha m)	389.20
c.	Evapotranspiration rate (mm)	360.74
d.	Estimated Evapotranspiration losses (ha m)	237.01
e.	Estimated Water Available From Rainfall (ha m)	152.19
f.	Weighted Average Runoff Coefficient	0.20
g.	Rainfall Runoff(ha m)	30.44
<b>2.</b>	<b>Ground Water</b>	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	38.07
(ii)	Non-Monsoon	4.53
	<b>Total Ground Water Recharge from rainfall (ha m)</b>	42.60
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	42.55
(ii)	Non-Monsoon	34.45
	<b>Total Ground Water Recharge from other sources (ha m)</b>	77.00
c.	Losses Due to Natural Discharge (ha m)	11.96
	<b>Total Ground Water Available (ha m)</b>	107.64
d.	Ground Water Withdrawal (ha m)	255.15
<b>3.</b>	<b>Surface Water</b>	
a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structures	No. of Structures	Storage Capacity (ha m)
Ponds	3	2.04
	<b>Total Storage Capacity of the surface water bodies (ha m)</b>	2.04
(ii)	Losses if Any (%)	30.00
(iii)	Surface Water Available in Storages (ha m)	1.43
b.	Transported Water from outside GP area (ha m)	134.90
	<b>Total Surface Water Available (ha m)</b>	136.33
<b>4.</b>	<b>TOTAL WATER AVAILABLE</b>	
	<b>TOTAL WATER AVAILABLE (ha m)</b>	243.97



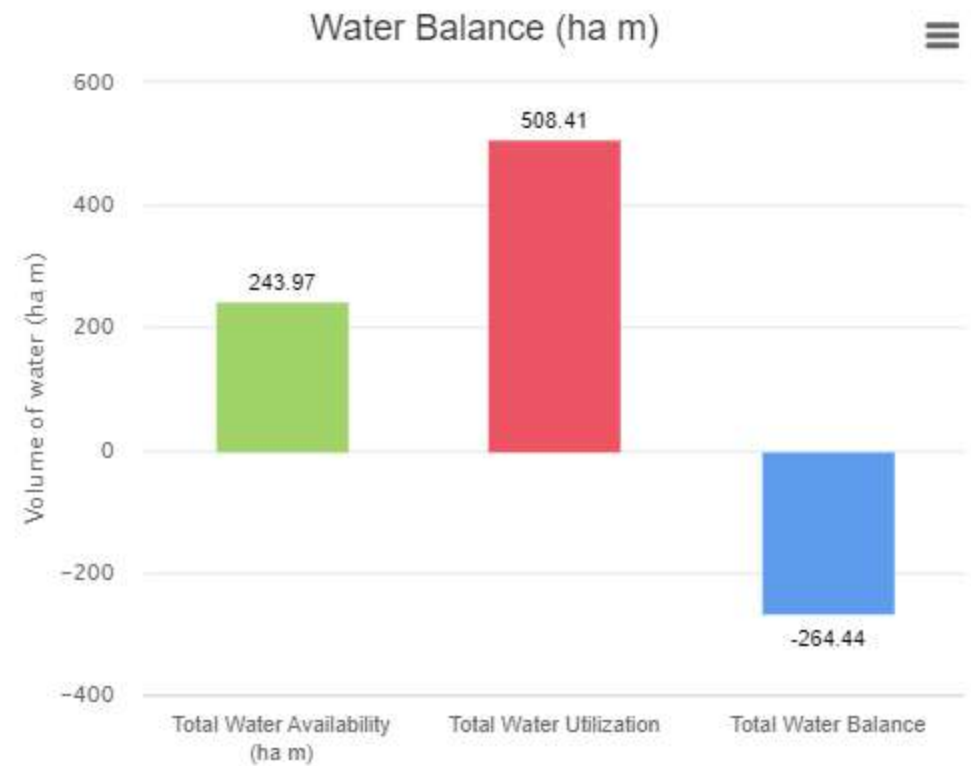
## Water Utilization Report

Water Utilization		
<b>A</b>	<b>Drinking /Domestic (ha m)</b>	
i)	From Surface Water	1.95
ii)	From Ground Water	7.80
	<b>Total Drinking /Domestic (ha m)</b>	9.75
<b>B</b>	<b>Irrigated Agriculture (ha m)</b>	
i)	From Surface Water	134.64
ii)	From Ground Water	364.02
	<b>Total Irrigated Agriculture (ha m)</b>	498.66
<b>C</b>	<b>Industrial Use (ha m)</b>	
i)	From Surface Water	0.00
ii)	From Ground Water	0.00
	<b>Total Industrial Use (ha m)</b>	0.00
<b>D</b>	<b>Other Uses (if any) (ha m)</b>	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	<b>Total Other Uses (if any) (ha m)</b>	0.0000



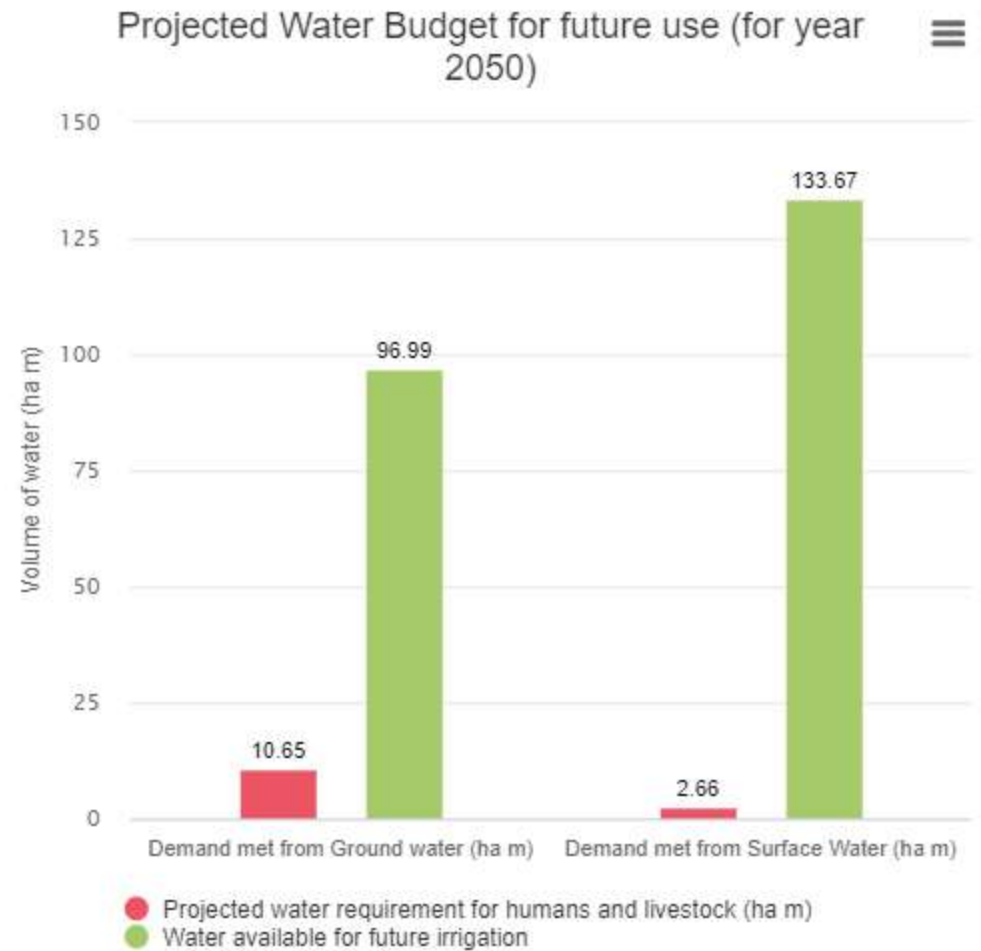
## Water Balance Report

Water Balance		
<b>A</b>	<b>Water Availability (ha m)</b>	
i)	Total Ground Water Available	107.64
ii)	Total Surface Water Available	136.33
	<b>Total Water Availability (ha m)</b>	243.97
<b>B</b>	<b>Water Utilization (ha m)</b>	
i)	Total Surface Water Utilization	136.59
ii)	Total Ground Water Utilization	371.82
	<b>Total Water Utilization</b>	508.41
<b>C</b>	<b>Balance [Surplus (+) / Deficit (-)]</b>	
i)	Total Ground Water Balance	-264.18
ii)	Total Surface Water Balance	-0.26
	<b>Total Water Balance</b>	-264.44



## Water Budget Report

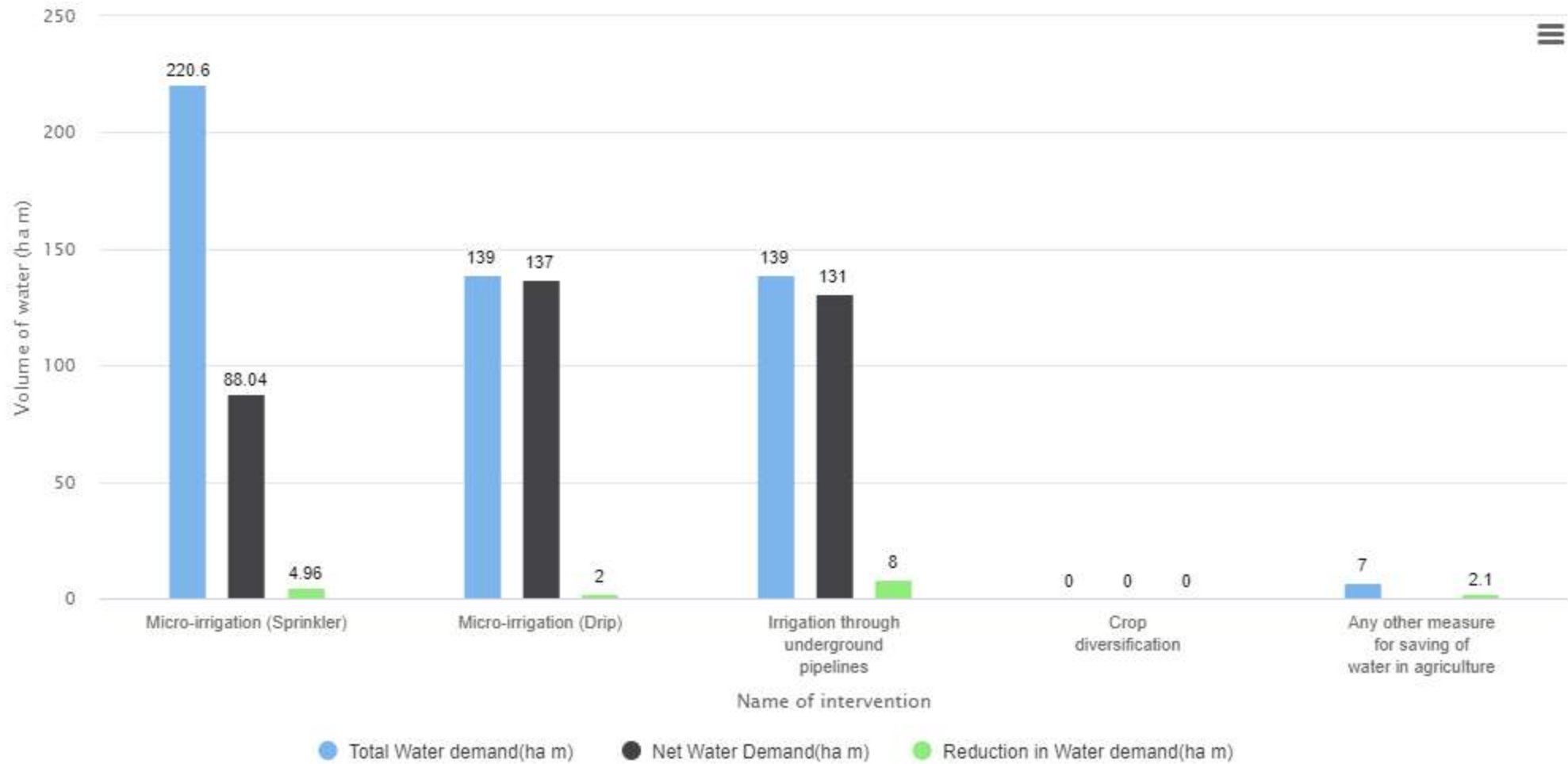
A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	2176.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	3039.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	6.10
II Livestock	
i) Present livestock population	1377.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	1845.00
v) Average per capita requirement (L)	107.00
vi) Projected water requirement for livestock (as in 2050) (ha m)	7.21
B Projected water requirement for humans and livestock (ha m) (as in 2050)	
Total Projected water requirement for humans and livestock (as in 2050) (ha m)	13.31
i) Proposed share to be met from Ground water (in % )	80.00
ii) Proposed share to be met from Surface water (in % )	20.00
iii) Demand met from Ground water (ha m)	10.65
iv) Demand met from Surface water (ha m)	2.66
C Water available for future irrigation	
i) Ground Water	96.99
ii) Surface water	133.67
iii) Total water available for future irrigation	230.66



## Demand Side

Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ha m)	Net Water Demand(ha m)	Reduction in Water demand(ha m)	Approximate cost(in lakh)
1	Sprinkler	35.00	220.60	88.04	4.96	34.30
2	Drip	5.00	139.00	137.00	2.00	5.42
3	Pipelines	40.00	139.00	131.00	8.00	25.00
4	Crop Diversification	0	0.00	0.00	0.00	0.00
5	Other Measures	10.00	7.00	--	2.10	0.83
	<b>Total</b>	<b>90.00</b>	<b>505.60</b>	<b>356.04</b>	<b>17.06</b>	<b>65.55</b>

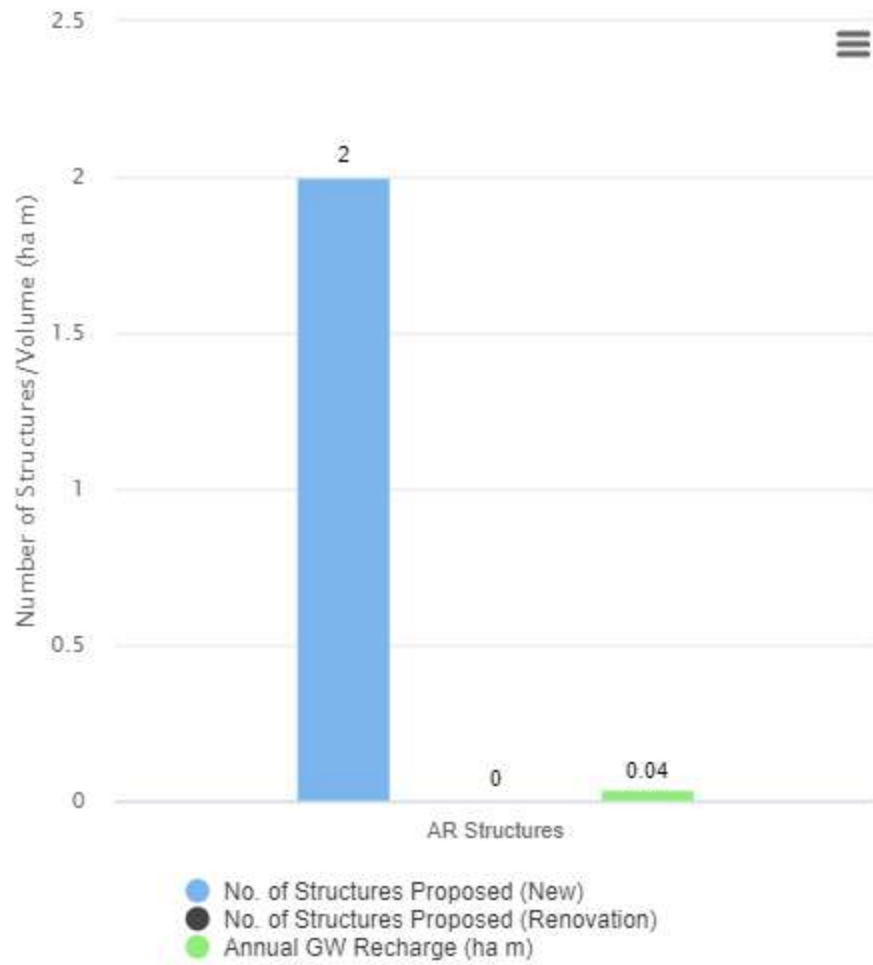
Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	35	2023-24	MICADA	PMKSY(Per Drop More Crop)	34.3
2	Drip	5	2023-24	MICADA	PMKSY(Per Drop More Crop)	5.42
3	UG Pipelines	40	2023-24	Agriculture & Farmer Welfare Department	Other	25
4	Other Measures	5	2023-24	Department of Horticulture	IHD Scheme	0.64
5	Other Measures	5	2023-24	Agriculture & Farmer Welfare Department	Other	0.19
	<b>Total</b>	<b>90</b>				<b>65.55</b>



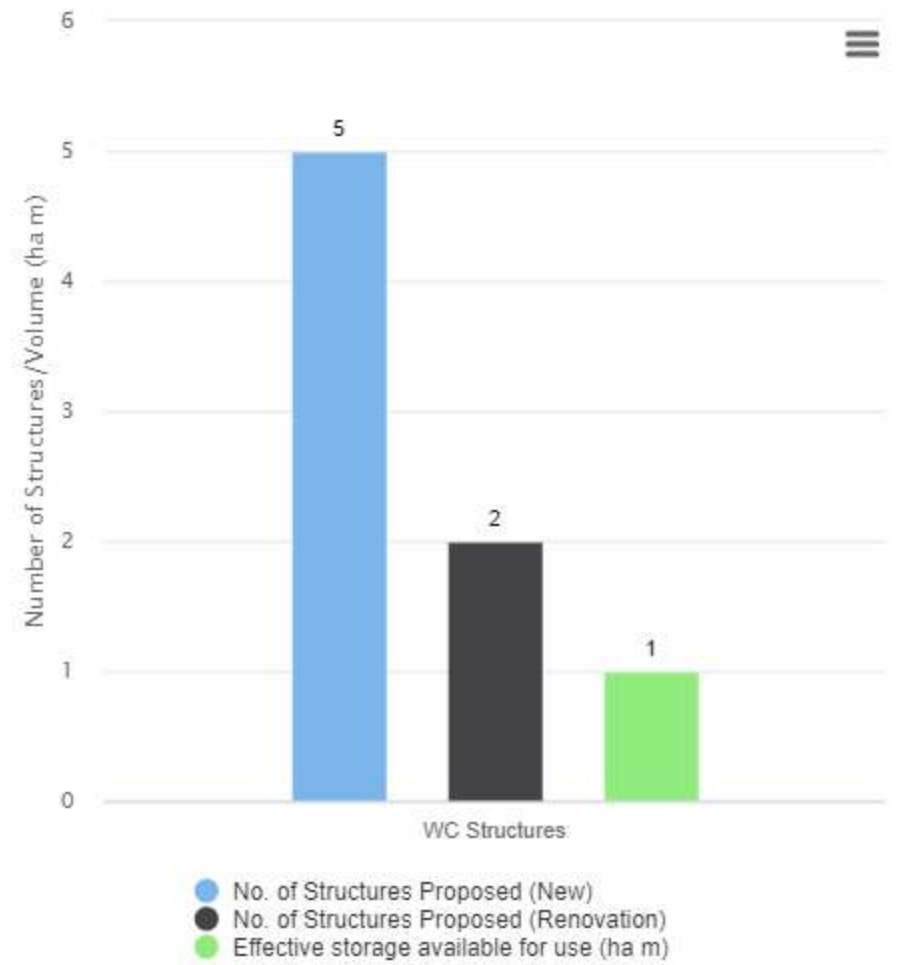




Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



## PGWM Committee

## PGWM Committee (VWSC/WUA/CBO)


Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	PRADEEP KUMAR	SARPANCH	Male	9992366626
2	DHARAMVIR SINGH	SECRETARY	Male	8684060140
3	MOHIT	MEMBER	Male	9650230630
4	MANISH	MEMBER	Male	9991769002
5	ANITA	MEMBER	Female	9813752802
6	DHANPATI	MEMBER	Female	8684882214
7	DEVENDER	MEMBER	Male	8684882214
8	RAJENDER SAHAB	MEMBER	Male	9728110421
9	ANJNA DEVI	MEMBER	Female	9728324317
10	JYOTI RANI	MEMBER	Female	9992366626
11	BHARAMHA DEVI	MEMBER	Female	9728560536
12	REMESH	MEMBER	Male	9812992592
13	POOJA	MEMBER	Female	8689003915
14	URMILA	MEMBER	Female	9992232635
15	MUKESH	MEMBER	Male	8607136571
16	REMESH	MEMBER	Male	9728274160

Details of PGWM Meeting in which resolution was passed

Sr.no	State	District	Block	Gram Panchayat	Date	GP Name	Village Name	Meeting Location	Male	Female	Transgender	Total number of attendees
1	Haryana_6	Charki Dadri_701	Badhra_453	Chandwas_28191	2023-08-21	Chandwas_28191	Chandwas(38)	Sarpanch House	16	9	0	25

Photograph



 GPS Map Camera

Badhra, Haryana, India

FXRH+45G, Badhra, Chandwas, Haryana 127308, India

Lat 28.489724°

Long 75.978162°

21/08/23 11:11 AM GMT +05:30



## DPMU DECLARATION

I, **Satyender kumar** (Name), **Nodal Officer-Cum-Executive Engineer, L.W.S. Charkhi dadri** (Designation), authorized representative under District Programme Management Unit (DPMU) declare that the WSP of Chandwas Gram Panchayat, Badhra Block/Taluk District Charkhi dadri has been updated by including additional interventions. The Updation has been informed to the community/committee at GP level.



GWE Expert



IEC Expert

Seal and Signature of authorized DPMU Official:

Date 21/09/2023

  
Executive Engineer  
Charkhi W/S Division  
Charkhi Dadri-127306

ग्राम पंचायत - चान्दवास

ब्लॉक - बाढडा

जिला - परबनी दक्षरी

राज्य - हरियाणा

आज दिनांक 21-08-2023 को जिला कार्यालय नारायणपुर  
डिवीजन अडल से-उल योजना के तहत जल पंचायत का  
आयोजन किया। जिसका उद्देश्य पूर्व में बनी WSP को  
अद्यतनीकरण एवं सर्व-सहमति से पुस्तान्त पार करवाया था।

जल पंचायत का आयोजन संपन्न के धर  
में किया गया। जिसमें संपन्न तथा V.W.D.C कमेटी की  
अध्यक्षता में किया गया। जिसमें ग्रामीणों ने भाग लिया।  
जल पंचायत में ग्रामीणों को जल सुरक्षा प्लान की जानकारी  
देते हुए बताया गया कि गांव की पूर्व की बंजर में ग्रामीणों  
द्वारा बतई गई समस्याओं एवं उनके समाधान हेतु सुरक्षा  
के उपभोग के आधार पर यह जल सुरक्षा प्लान तैयार  
किया गया। जैसे, राम पानी जोड़ की बुकवाई चार दीवारी  
व नहर से लिफ्ट करवाया जाए, स्कूल में रिनवाटर टारगेटिंग  
सिस्टम बनवाया जाए। राजीव गांधी खेल स्टेडियम में रैन  
वाटर टारगेटिंग सिस्टम बनवाया जाए और इलेक्ट्रिकल वोल  
भी बनवाया जाए जिससे द्वारा मिनी रिपग करार व डिप  
ओर फार्म पोड की त्रंग कि। इन सभी भागों को WSP में  
डाला गया। जल पंचायत में सर्व-सहमति से पुस्तान्त  
पार किया गया।

धन्यवाद

Tejvir Singh

IEC Expert

RESOLUTION

Date: 21/08/2023

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of CHANDWAS Gram Panchayat, BADHRA Block/Taluk/Mandal, CH. DADRI District, HARYANA State is complete in all respect and has been prepared through consultative process including the members of Village Water and Sanitation Committee (VWSC) /equivalent Committee and was approved in the meeting held on 21/08/2023

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>पदीप कुमार</u>	<u>संघच पदीप कुमार</u> <u>ग्राम पंचायत - चांदवास</u> <u>ब्लॉक - बाढड़ा (च0 दादरी)</u>
2	Gram Panchayat Secretary	<u>Devender</u>	<u>Devender</u>

### Attendance sheet Template

Sr. no	Name	Gender			Category			Occupat io	Are you a member of any committe (Yes/No)	If yes, Name of the committl e	Land holding Status of landle ss • 2.5 acre • 2.5 - 5 acre • ≥ 5	Phone no	Signature
		Female	Male	Other	General	OBC	ST						
1	सिद्धेश्वर	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gen			Yes	N.W.S.C		4	9992366626	सिद्धेश्वर
2	राधा	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sc							9689803915	Sanket Kumar शिव
3	शिव	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gen			Yes	N.W.S.C			9992382635	शिव
4	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gen								शिव
5	सुनील	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sc			Yes	N.W.S.C		1	8689003915	Pooja Rahi राधा
6	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sc							9992907723	राधा
7	राधा	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OBC			Yes	N.W.S.C		1	9812992595	सवित्री
8	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OBC						2	9812081505	सवित्री
9	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gen			Yes	N.W.S.C			9728560386	सवित्री
10	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OBC							9812237263	सवित्री
11	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OBC			Yes	N.W.S.C		1	9817368559	Sarwila
12	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OBC							9050797711	सवित्री
13	सवित्री	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gen			Yes	N.W.S.C			9992366626	सवित्री

# Attendance Sheet Template

Sr. No.	Name	Gender	Category	Occupation	Are you a member of any committee (Yes/No)	If yes, Name of the committee	Land holding Status	Phone no	Signature
14	अज्ञाना देवी	F		S.S.G	Yes	N.W.Sc	<input type="radio"/> < 2.5 acre <input type="radio"/> 2.5 - 5 acre <input type="radio"/> ≥ 5 acre	9728824817	अज्ञाना देवी
15	अज्ञाना देवी	M	BC					8059028048	
16	राजेश कुमार	M	Gen	विद्यार्थी	Yes	N.W.Sc	3	9728110421	Rajesh Kumar
17	अज्ञाना देवी	M	Gen	अज्ञाना देवी			2	8607623835	अज्ञाना देवी
18	अज्ञाना देवी	M	Gen	अज्ञाना देवी	Yes	N.W.Sc	1	8607136571	अज्ञाना देवी
19	अज्ञाना देवी	M	Gen	अज्ञाना देवी	Yes		3	9991243484	अज्ञाना देवी
20	अज्ञाना देवी	M	Gen	अज्ञाना देवी	Yes	N.W.Sc	3	8684882214	अज्ञाना देवी
21	अज्ञाना देवी	M	Gen	अज्ञाना देवी			1	97228487316	Momun
22	अज्ञाना देवी	F	Gen	अज्ञाना देवी	Yes	N.W.Sc		8684882214	अज्ञाना देवी
23	अज्ञाना देवी	F	Gen	अज्ञाना देवी	Yes	N.W.Sc		97818752802	अज्ञाना देवी
24	अज्ञाना देवी	M	Gen	अज्ञाना देवी			2	9255557092	अज्ञाना देवी
25	अज्ञाना देवी	M	Gen	अज्ञाना देवी			3	9788608653	अज्ञाना देवी