

Water Security Plan Report

Date : 29-09-2023 Time : 2:22 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: MAHENDRAGARH_69 »

BLOCK: NANGAL CHAUDHRY_525 »

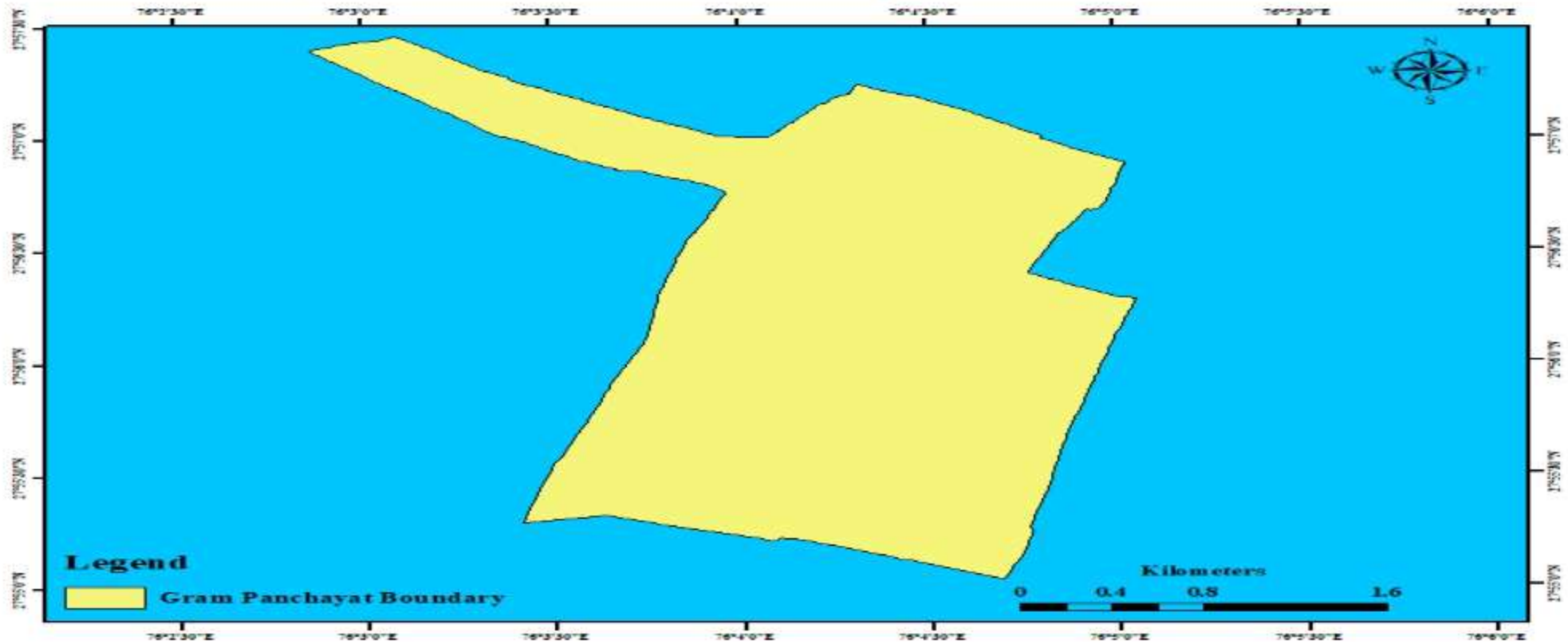
GRAM PANCHAYAT: DHOLERA_31658 »

YEAR: 2023-24 »

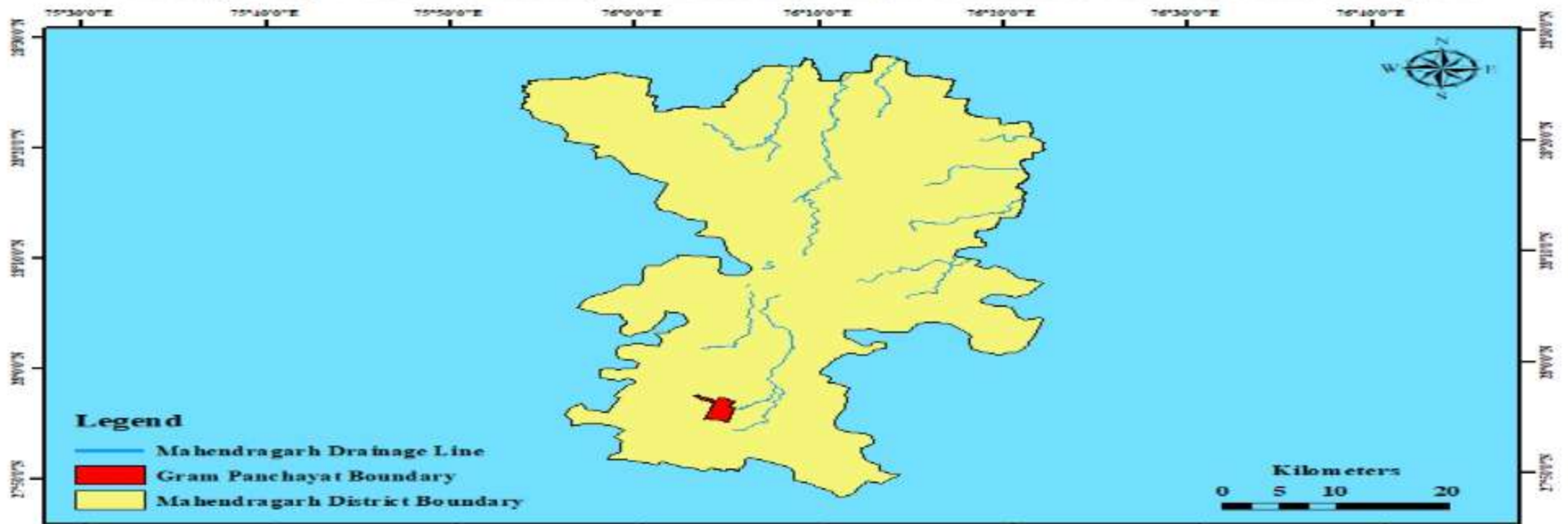
Gram Panchayat Information

State:	Haryana_6	District:	Mahendragarh_69
Block / Taluk :	Nangal Chaudhry_525	GP Name :	Dholera_31658
GP ID :	31658	Block Area (Ha) :	18887.00
GP area (Ha) :	712.00	Watershed Code :	YMNM007
Watershed name :	Yamuna middle	Watershed area in Block / Taluk (Ha) :	20835.21
Sub-basin Code :	yMNM	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2	Basin Name :	Yamuna

Location Map : Gram Panchayat Dholera , Nangal Chaudhry Block, Mahendragarh



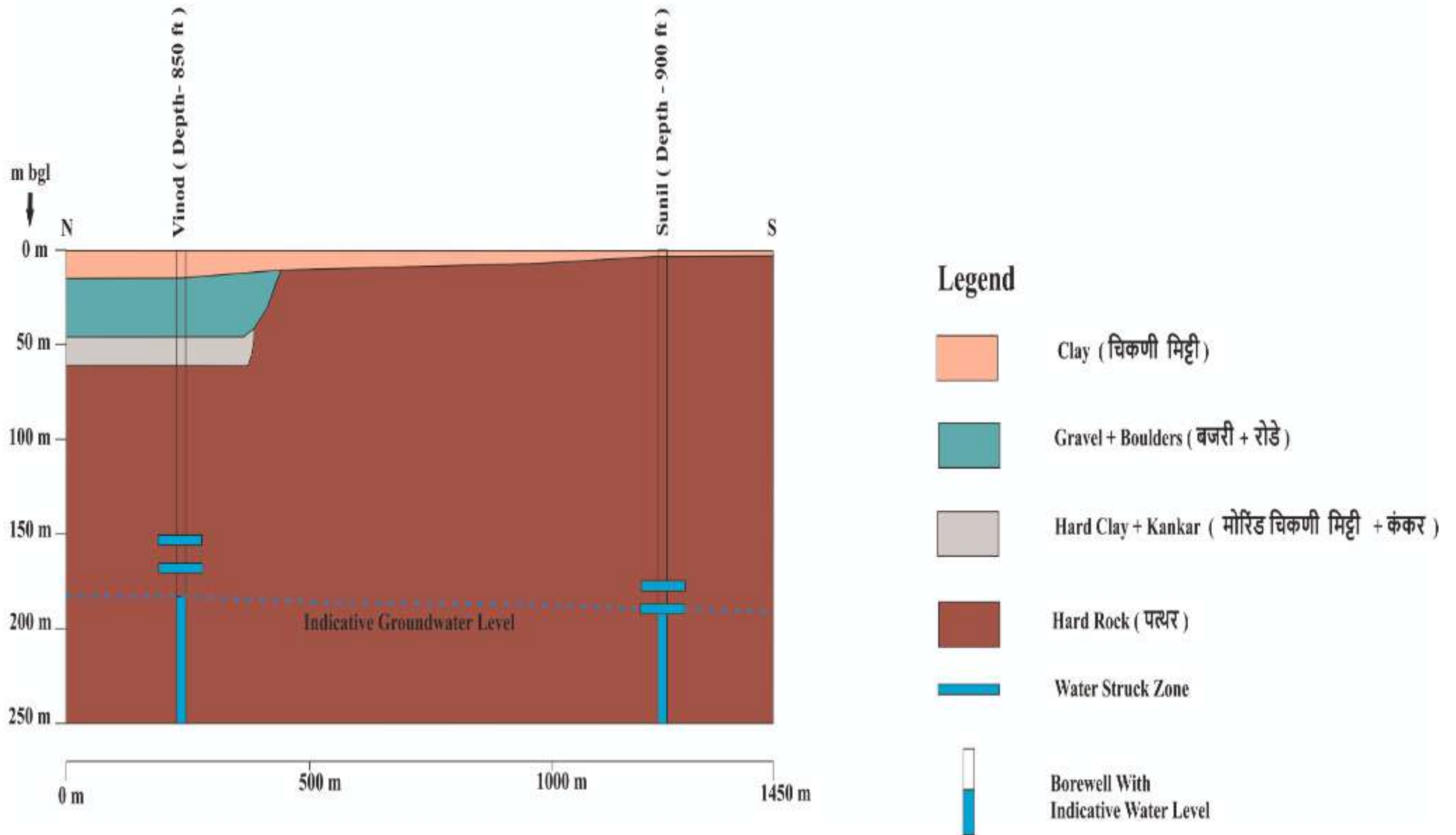
Drainage Map : Gram Panchayat Dholera , Nangal Chaudhry Block , Mahendragarh



Watershed Map : Gram Panchayat Dholera , Nangal Chaudhry Block , Mahendragarh



Conceptual Aquifer Map :- Dholera Village, Nangal Chaudhary Block, Mahendragarh



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	Dholera	Govt. Sr. Sec. School	27.94183	76.07147	21-14-2	031658-001	Piezometer	null	Government	SGWB	0.1	130	0.5	18.7	22-05-23
	Dholera	Govt. Sr. Sec. School	27.94183	76.07147	21-14-2	031658-001	Piezometer	null	Government	SGWB	0.1	130	0.5	18	24-06-23
	Dholera	Govt. Sr. Sec. School	27.94183	76.07147	21-14-2	031658-001	Piezometer	null	Government	SGWB	0.1	130	0.5	17.5	23-07-23
	Dholera	Govt. Sr. Sec. School	27.94183	76.07147	21-14-2	031658-001	Piezometer	null	Government	SGWB	0.1	130	0.5	17.3	22-08-23
	Dholera	Govt. Sr. Sec. School	27.94183	76.07147	21-14-2	031658-001	Piezometer	null	Government	SGWB	0.1	130	0.5	18.7	22-04-23
	Dholera	Govt. Sr. Sec. School	27.94183	76.07147	21-14-2	031658-001	Piezometer	null	Government	SGWB	0.1	130	0.5	16.5	26-09-23

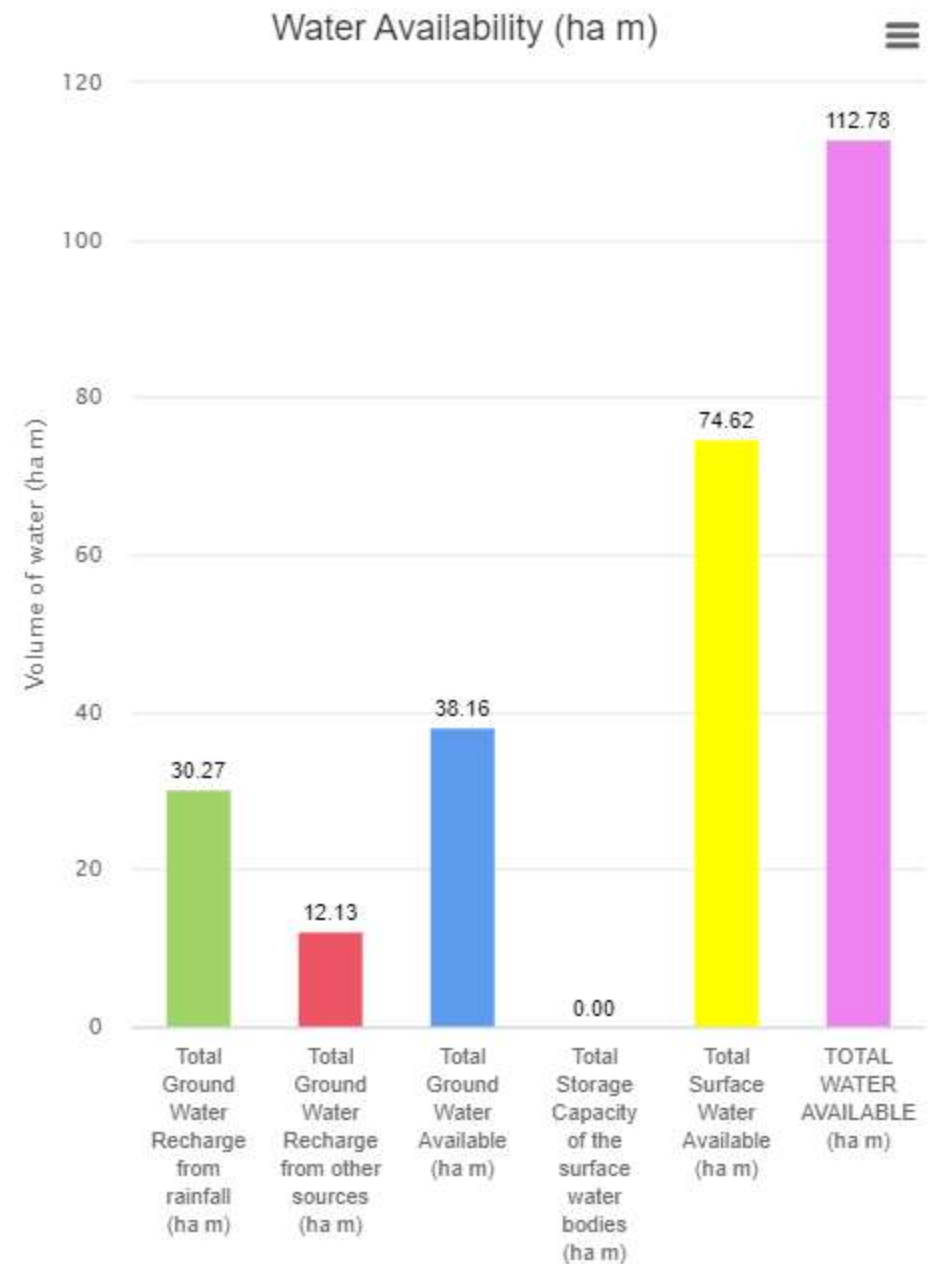
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	DHOLERA	ASHOK KUMAR	27.931221	76.075394	2022	Tube Well	I&WRD	HRY_M.GARH_N.CHOUDHARY_DHOLERA_001
2	DHOLERA	RAM KUMAR	27.933628	76.065689	2022	Tube Well	I&WRD	HRY_M.GARH_N.CHOUDHARY_DHOLERA_002

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/
1	HRY_M.GARH_N.CHOUDHARY_DHOLERA_001	263.109985	UNCONFINED	7.6	1683	1026	314	74	31.3	118	1	0	358	144	225	1.1
2	HRY_M.GARH_N.CHOUDHARY_DHOLERA_002	267.98999	UNCONFINED	7.5	1908	1145	345	78	36.5	136	1.3	0	364	182	265	1.13

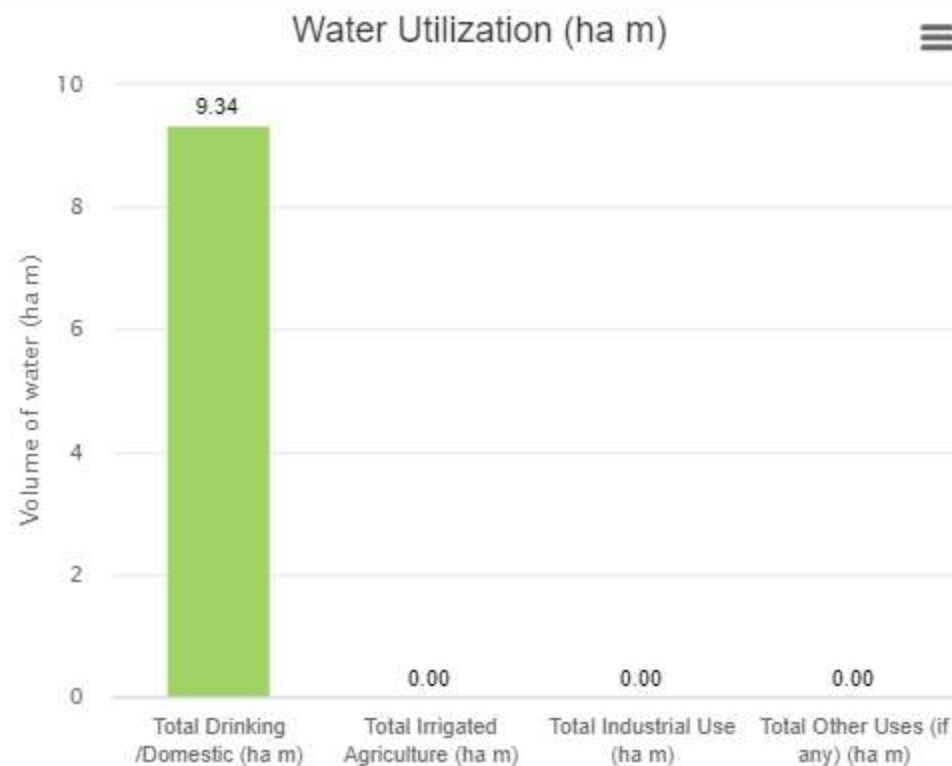
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	684.10
b.	Estimated Volume of Rainfall (ha m)	487.08
c.	Evapotranspiration rate (mm)	390.06
d.	Estimated Evapotranspiration losses (ha m)	277.72
e.	Estimated Water Available From Rainfall (ha m)	209.36
f.	Weighted Average Runoff Coefficient	0.20
g.	Rainfall Runoff(ha m)	41.87
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	22.67
(ii)	Non-Monsoon	7.60
	Total Ground Water Recharge from rainfall (ha m)	30.27
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	3.86
(ii)	Non-Monsoon	8.27
	Total Ground Water Recharge from other sources (ha m)	12.13
c.	Losses Due to Natural Discharge (ha m)	
		4.24
	Total Ground Water Available (ha m)	38.16
d.	Ground Water Withdrawal (ha m)	
		58.41
3.	Surface Water	
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)
0	0	0
	Total Storage Capacity of the surface water bodies (ha m)	0.00
(ii)	Losses if Any (%)	
		50.00
(iii)	Surface Water Available in Storages (ha m)	
		0.00
b.	Transported Water from outside GP area (ha m)	
		74.62
	Total Surface Water Available (ha m)	74.62
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	112.78



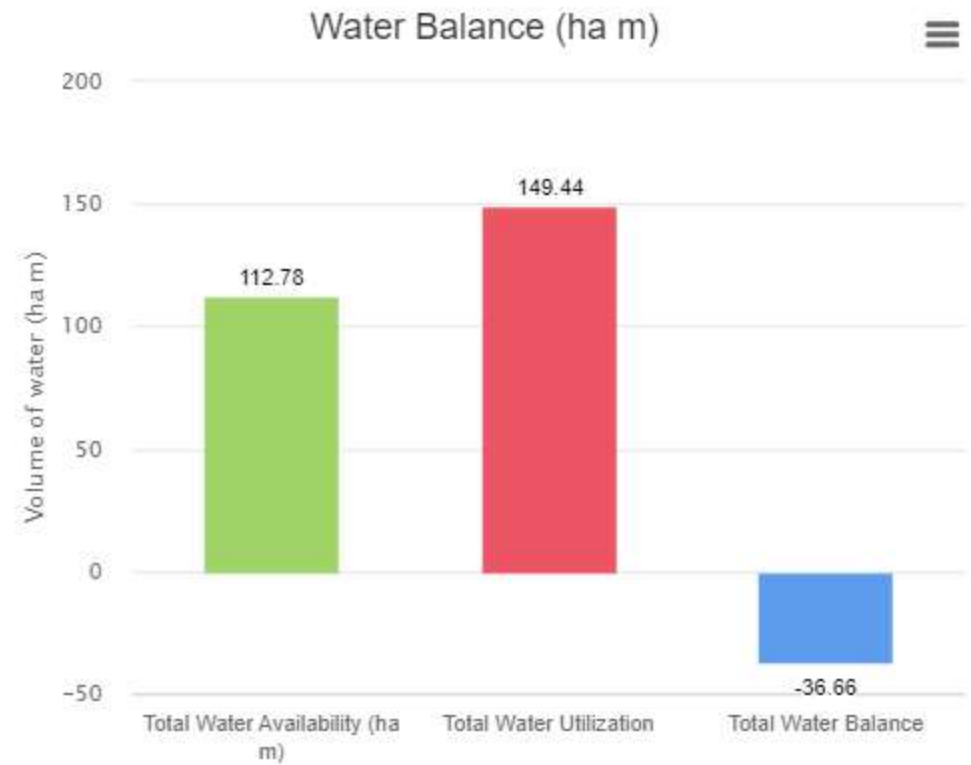
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	3.10
ii)	From Ground Water	6.24
	Total Drinking /Domestic (ha m)	9.34
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	56.04
ii)	From Ground Water	84.06
	Total Irrigated Agriculture (ha m)	140.10
C	Industrial Use (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	0.00
	Total Industrial Use (ha m)	0.00
D	Other Uses (if any) (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	Total Other Uses (if any) (ha m)	0.0000



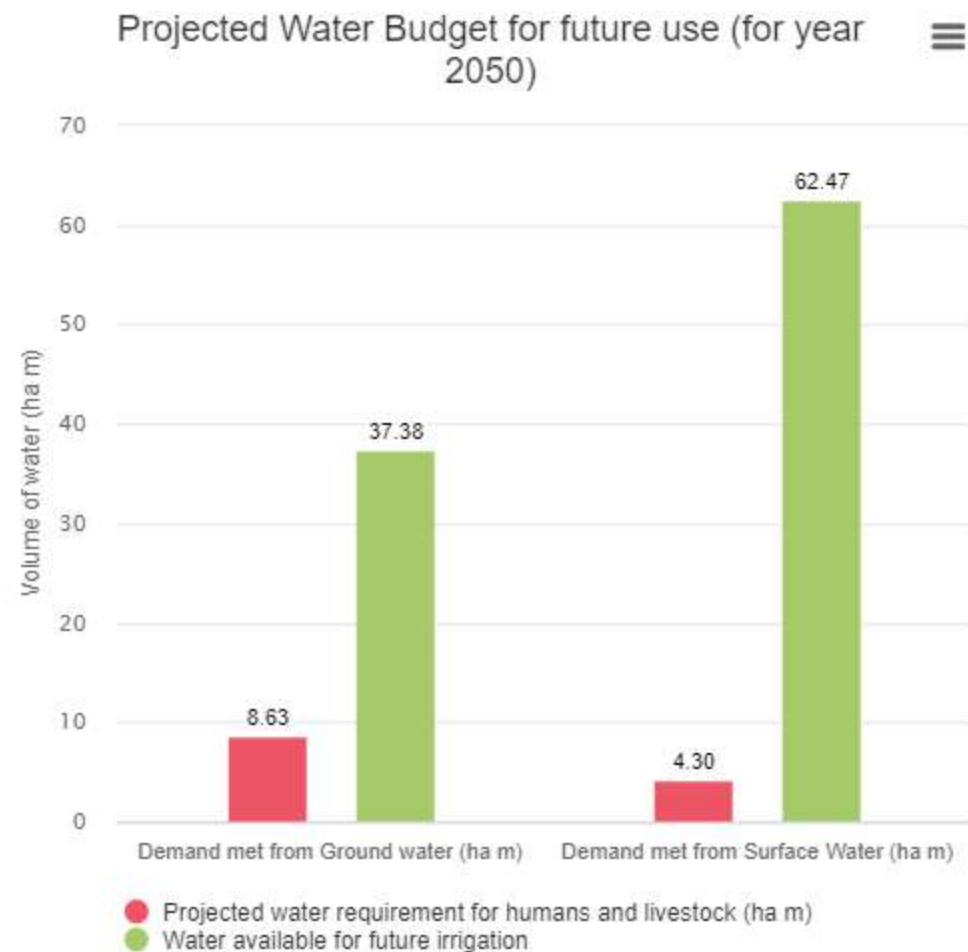
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	38.16
ii)	Total Surface Water Available	74.62
	Total Water Availability (ha m)	112.78
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	59.14
ii)	Total Ground Water Utilization	90.3
	Total Water Utilization	149.44
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-52.14
ii)	Total Surface Water Balance	15.48
	Total Water Balance	-36.66



Water Budget Report

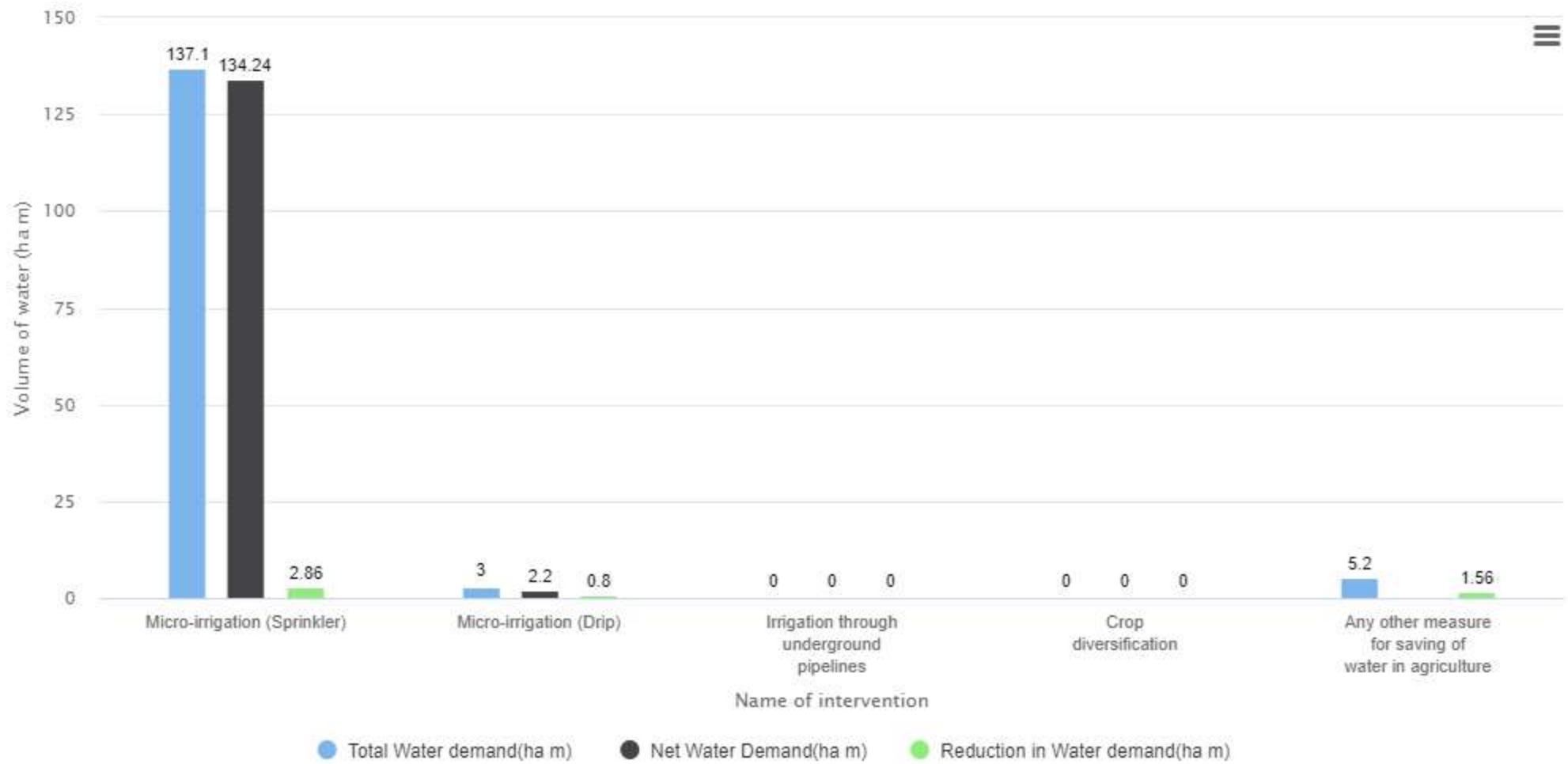
A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	3626.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	5064.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	10.17
II Livestock	
i) Present livestock population	516.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	691.00
v) Average per capita requirement (L)	109.29
vi) Projected water requirement for livestock (as in 2050) (ha m)	2.76
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)	12.92
i) Proposed share to be met from Ground water (in %)	66.76
ii) Proposed share to be met from Surface water (in %)	33.24
iii) Demand met from Ground water (ha m)	8.63
iv) Demand met from Surface water (ha m)	4.30
C Water available for future irrigation	
i) Ground Water	37.38
ii) Surface water	62.47
iii) Total water available for future irrigation	99.86



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	22.00	137.10	134.24	2.86	5.48
2	Drip	2.00	3.00	2.20	0.80	1.95
3	Pipelines	0.00	0.00	0.00	0.00	0.00
4	Crop Diversification	0	0.00	0.00	0.00	0.00
5	Other Measures	13.00	5.20	--	1.56	0.49
	Total	37.00	145.30	136.44	5.22	7.92

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Drip	2	2023-24	MICADA	PMKSY	1.95
2	Other Measures	13	2023-24	Agriculture & Farmer Welfare Department	Other	0.4875
3	Sprinkler	22	2023-24	MICADA	PMKSY	5.478
	Total	37				7.92

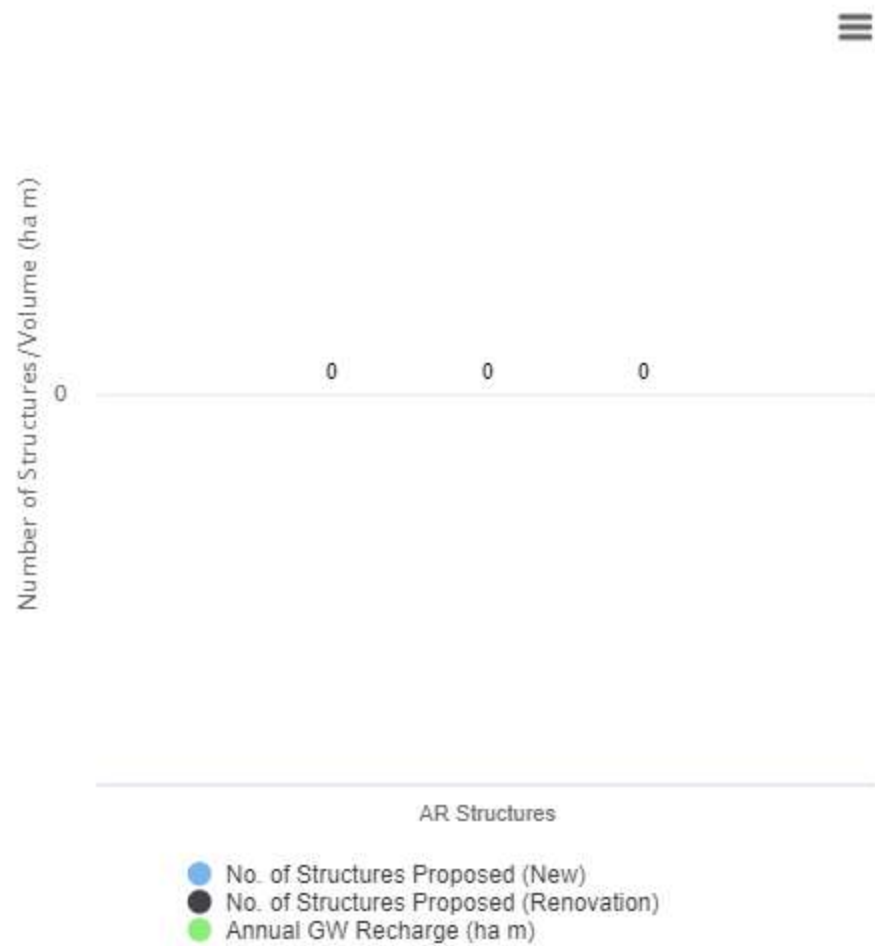


Supply Side

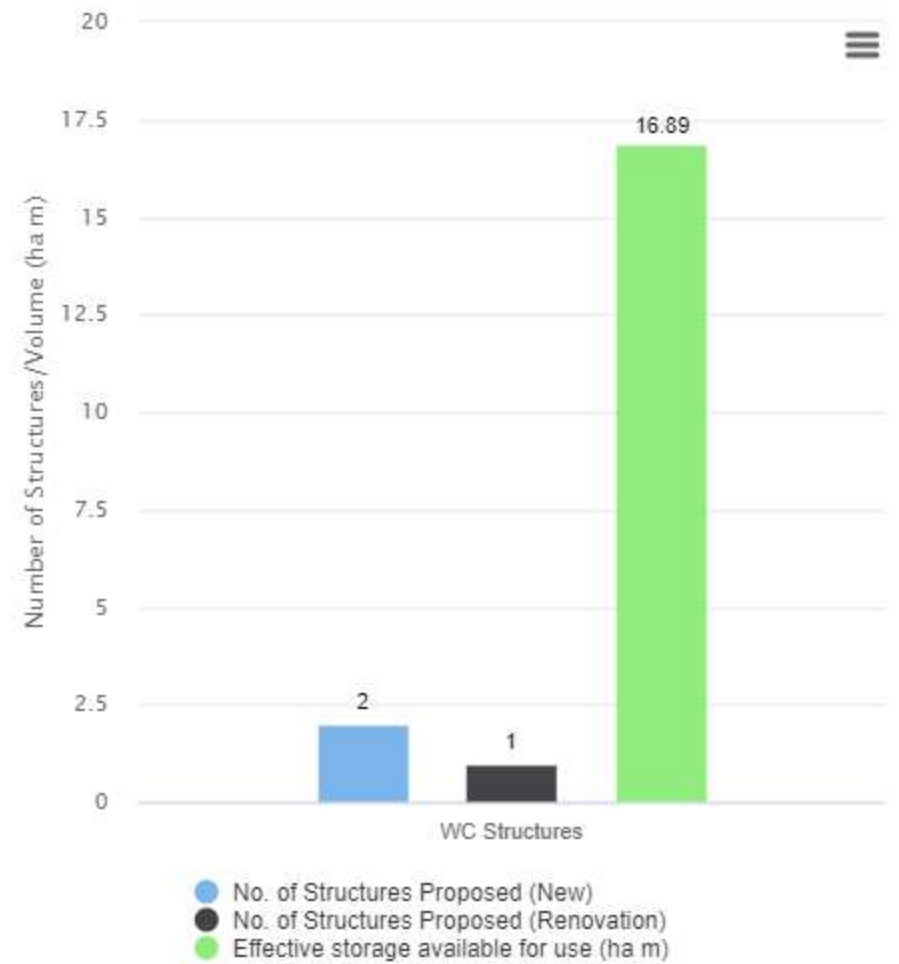
Supply Side (Artificial Recharge Structures)

SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
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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	DEVENDER KUMAR	Chairperson	Male	8295095984
2	SANJANA	Member	Female	9416412162
3	SONAM	Member	Female	9306348834
4	PINKI	Member	Female	9555578558
5	MANJU DEVI	Member	Female	8059230016
6	ASHA	Member	Female	9996591486
7	SUSHILA	Member	Female	9416713697
8	ABHIMANYU	Member	Male	7027276688
9	SANTOSH	Member	Female	9728790736
10	REEMA DEVI	Member	Female	9992564031
11	MUKESH KUMAR	Member	Male	9466027498
12	SATYVEER	Member	Male	9467720596
13	LOKESH	Member	Male	8059230016
14	NITIN	Member (JE,Development & panchayat)	Male	8619251834
15	MAHIPAL	Member (Gram Sachiv)	Male	9518660751
16	PARVEEN	Technical Member (JE,PHED)	Male	9416789376

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	Mahendragarh_69	Nangal Chaudhry_525	Dholera_31658	2023-07-31	Dholera_31658	Dholera(267)	Aanganwari Centre	10	15	0	25

Photograph



GPS Map Camera



Dholera, Haryana, India

W3P9+86R, Narnaul-Dholera Rd, Dholera, Haryana 123023, India

Lat 27.935864°

Long 76.068135°

31/07/23 01:07 PM GMT +05:30

DPMU DECLARATION

I, Nitin Bhargava (Name), Executive Engineer
(Designation), authorized representative under District Program Management Unit (DPMU)
declare that the WSP of Dolega Khichipura Gram Panchayat, Nangal Chaudhary Block/Taluk
Mahendragarh District has been updated by including additional interventions.

The Updation has been informed to the community/committee at GP level.

Seal and Signature of authorized DPMU Official: Niti-3
Executive Engineer
MPCAM, CWS Division

Date 21/09/23

Narnaul

Arjun
IEC Expert

Deepak
GW Expert

MOM

दिनांक :- 21/11/2023

गाँव :- चौलेड़ा

जिला - मेहेन्द्रगढ़

स्थान :- आंगनवाड़ी

ब्लॉक :- जौगल चौधरी

राज्य - हरियाणा

आज अटल भूजल योजना की टीम जिला कार्यालय भागादारी के जल विशेषज्ञों द्वारा निर्धारित जगह पर चौलेड़ा गाँव में निर्धारित समय पर जल बैठक का सफलतापूर्वक आयोजन किया गया।

इस जल बैठक में सरपंच एवं PWSU कमेटी व महिलाएँ भी इसमें शामिल हुई। इस दौरान विशेषज्ञों द्वारा अटल भूजल योजना व अन्य कार्य जो जल सुरक्षा योजना में होंगे इस पर विस्तारपूर्वक चर्चा की गई।

ANNEXURE III

RESOLUTION

Date: 31/7/2023

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of घोलेडी Gram Panchayat, जगल-पोधर Block/Taluk/Mandal, भेदरगढ District, झारखण्ड 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 31/7/2023.

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>देवेन्द्र कुमार</u> (सरपंच)	
2	Gram Panchayat Secretary	<u>महापाल</u> (9416063563)	<u>Mahipal</u>

Devaraj
सरपंच
ग्राम पंचायत घोलेडी
खण्ड नां० चौधरी

प्रस्ताव (RESOLUTION)

दिनांक : 31/7/2023

गाँव :- चौलेडा

जिला : महेंद्रगढ़

स्थान : आगमवाड़ी/भेड़

ब्लॉक/खण्ड :- नागल-चीचरी

राज्य : हरियाणा

आज दिनांक 31/7/2023 को अटल भूजल योजना की जिला कार्यन्वयन सहभागी टीम (DIP) के जनसंपर्क विशेषज्ञों (JEC) ने नागल-चीचरी ब्लॉक के चौलेडा गाँव में प्रस्ताव (Resolution) के लिए जल बैँक का आयोजन किया गया। इस जल बैँक में गाँव के कुछ वरिष्ठ किसान, महिलाएँ एवं ग्राम जल स्वच्छता समिति (VWSC) के सदस्यों ने अपनी सहभागिता दिखाई। जल बैँक के प्रारम्भ में पिछली जल बैँकों का क्रिक करते हुए भूजल स्तर (Water Level) बढ़ाने हेतु जो सुझाव गाँव वालों ने बताये, उनको गाँव की जल सुरक्षा योजना (WSP) में उला गया है वे निम्नलिखित प्रकार से हैं: -

- (1) गाँव के नहरों द्वारा जोड़े गये जोहड़ों (Ponds) में बड़े रिचार्ज बोरे (Recharge Bore) बनवाये जायें जिन रिचार्ज बोरे की गहराई उस गाँव के चबू (Underground Water Level) तक करवाई जायें।
- (2) गाँव के कुछ जोहड़ों (Ponds) की सफा - सफाई, दंडाई एवं उनका विनोद्वार (Renovation) किया जायें।
- (3) गाँव के कुछ हुए जोहड़ों (Ponds) को नहर से जुड़ाया जायें एवं प्रत्येक महीने उनमें नहरी पानी डलवाया / छुड़ाया जायें।
- (4) गाँव के राजकीय / सरकारी स्कूल में रैनवाटर हारवैस्टिंग सिस्टम (Rainwater Harvesting) बनवाया जायें।

Sr no	Name	Gender •Female •Male •Other	Category •General •OBC •ST •SC	Occupation	Are you a member of any committee? (Yes/No)	If yes, name of the committee	Land holding Status •Landless •<2.5 acre •2.5-5 acre •>5 acre	Phone no	Signature
1	சுபா	F	OBC	பெண்	No	No		9671216341	சுபா
2	சுபா	F	ST	"	No	No		9462794588	சுபா
3	சுபா	M	OBC	பெண்	Yes	WOSC		8059230016	Lakshmi
4	சுபா	F	OBC	பெண்	No	No		946713697	சுபா
5	சுபா	F	OBC	"	No	No		9518819434	சுபா
6	சுபா	F	SC	"	Yes	WOSC		9416412162	சுபா
7	சுபா	M	OBC	பெண்	No	No		9671139080	Sandhya
8	சுபா	F	OBC	பெண்	Yes	WOSC		95553878558	Ragunee
9	சுபா	M	OBC	"	No	No		9444488514	Priya
10	சுபா	M	OBC	பெண்	No	No		8059230016	சுபா
11	சுபா	F	SC	பெண்	Yes	WOSC		9306348834	சுபா
12	சுபா	F	SC	"	No	No		7082818897	சுபா
13	சுபா	F	OBC	"	No	No		7065391932	சுபா
14	சுபா	P	SC	"	Yes	WOSC		8059230016	சுபா
15	சுபா	F	OBC	"	No	No		7065391932	சுபா
16	சுபா	M	OBC	பெண்	No	No		9992323607	சுபா
17	சுபா	F	OBC	பெண்	Yes	WOSC		9996591486	சுபா
18	சுபா	F	SC	"	No	No		8901025984	சுபா

உ
 0119-உலகி
 பெண் - பெண்
 12/11/2022
 Phone no - 311412022
 22114-3115119151-5

