

Water Security Plan Report

Date : 29-09-2023 Time : 3:15 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: MAHENDRAGARH_69 »

BLOCK: NARNAUL_526 »

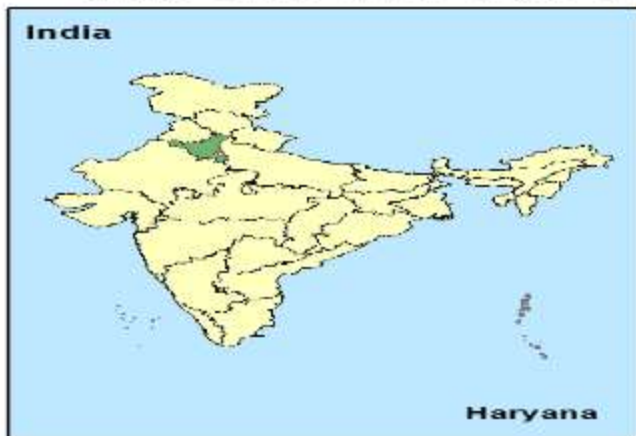
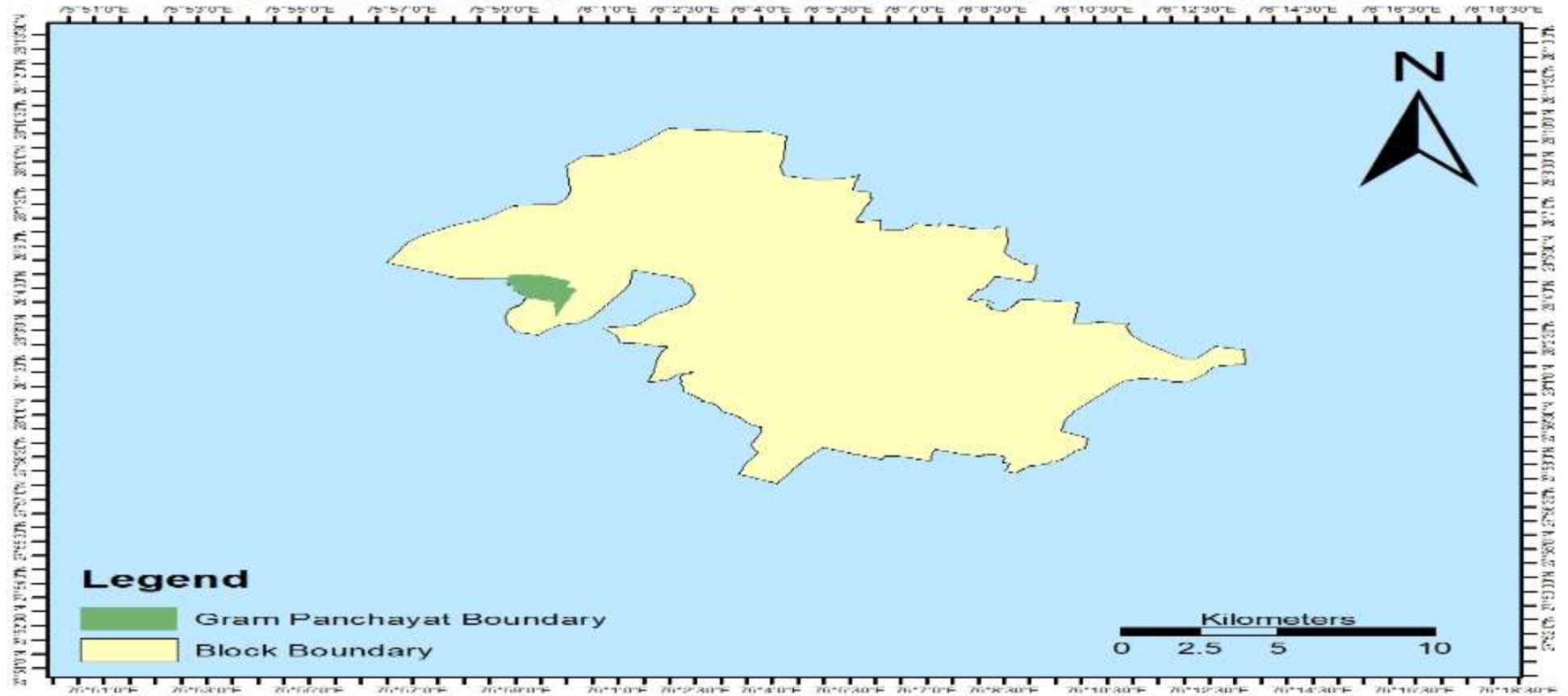
GRAM PANCHAYAT: DOCHANA_31714 »

YEAR: 2023-24 »

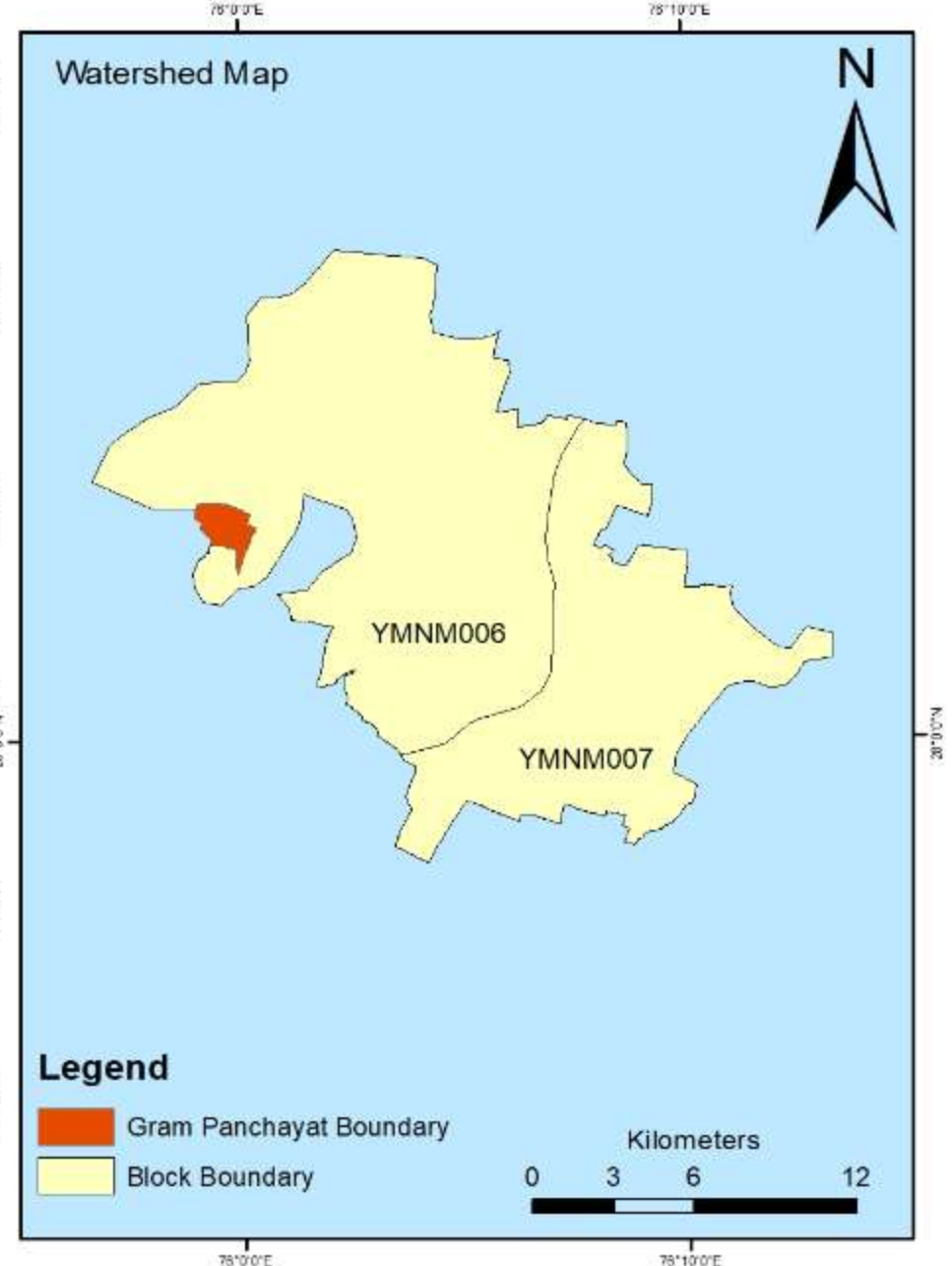
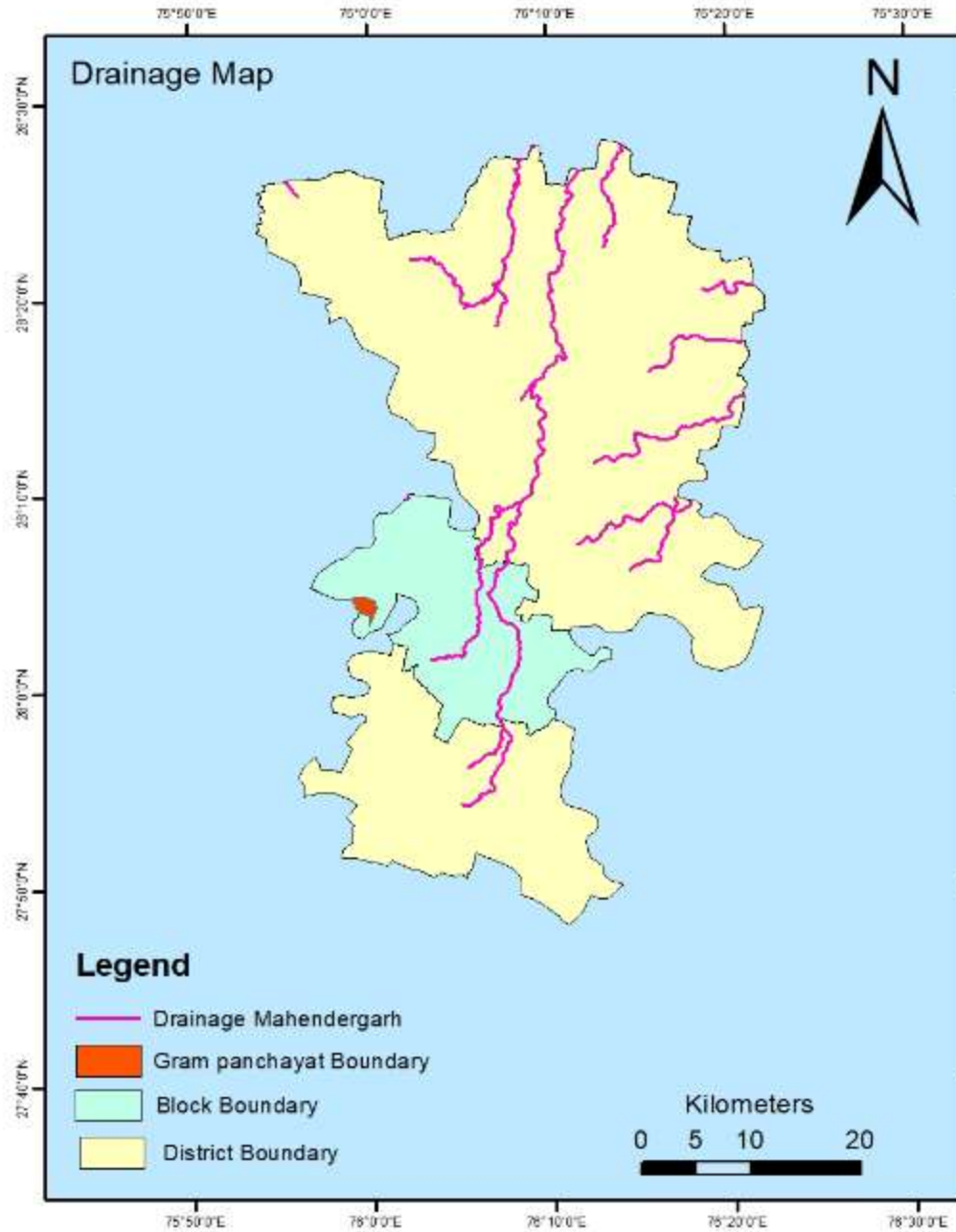
Gram Panchayat Information

State:	Haryana_6	District:	Mahendragarh_69
Block / Taluk :	Narnaul_526	GP Name :	Dochana_31714
GP ID :	31714	Block Area (Ha) :	21641.00
GP area (Ha) :	305.00	Watershed Code :	YMNM006
Watershed name :	Yamuna middle	Watershed area in Block / Taluk (Ha) :	18424.70
Sub-basin Code :	yMNM	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2	Basin Name :	Yamuna

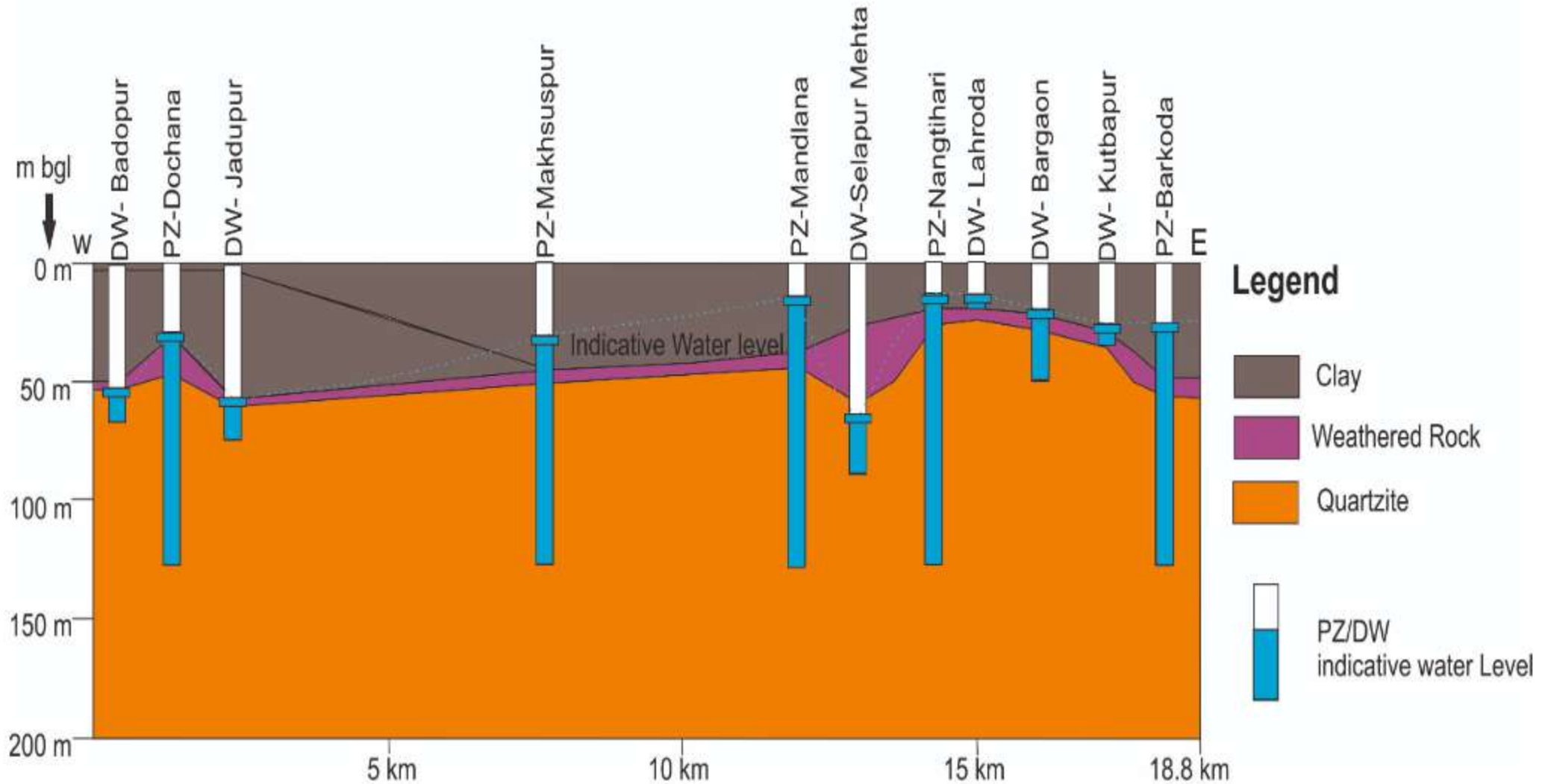
Location Map: Gram Panchayat Dochana



Gram Panchayat Dochana, Block Narnaul, District Mahendergarh



Conceptual Aquifer map: Village Dochana, Block Narnaul District Mahendergarh



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	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	29.3	23-03-23
	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	28.9	26-04-23
	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	28.8	25-05-23
	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	28.85	23-06-23
	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	28.2	24-08-23
	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	28.6	25-07-23
	Dochana	Government senior secondary school	28.07052	75.99702	46:35.8	031714-001	Piezometer	null	Government	SGWB	0.1	130	0.5	28	19-09-23

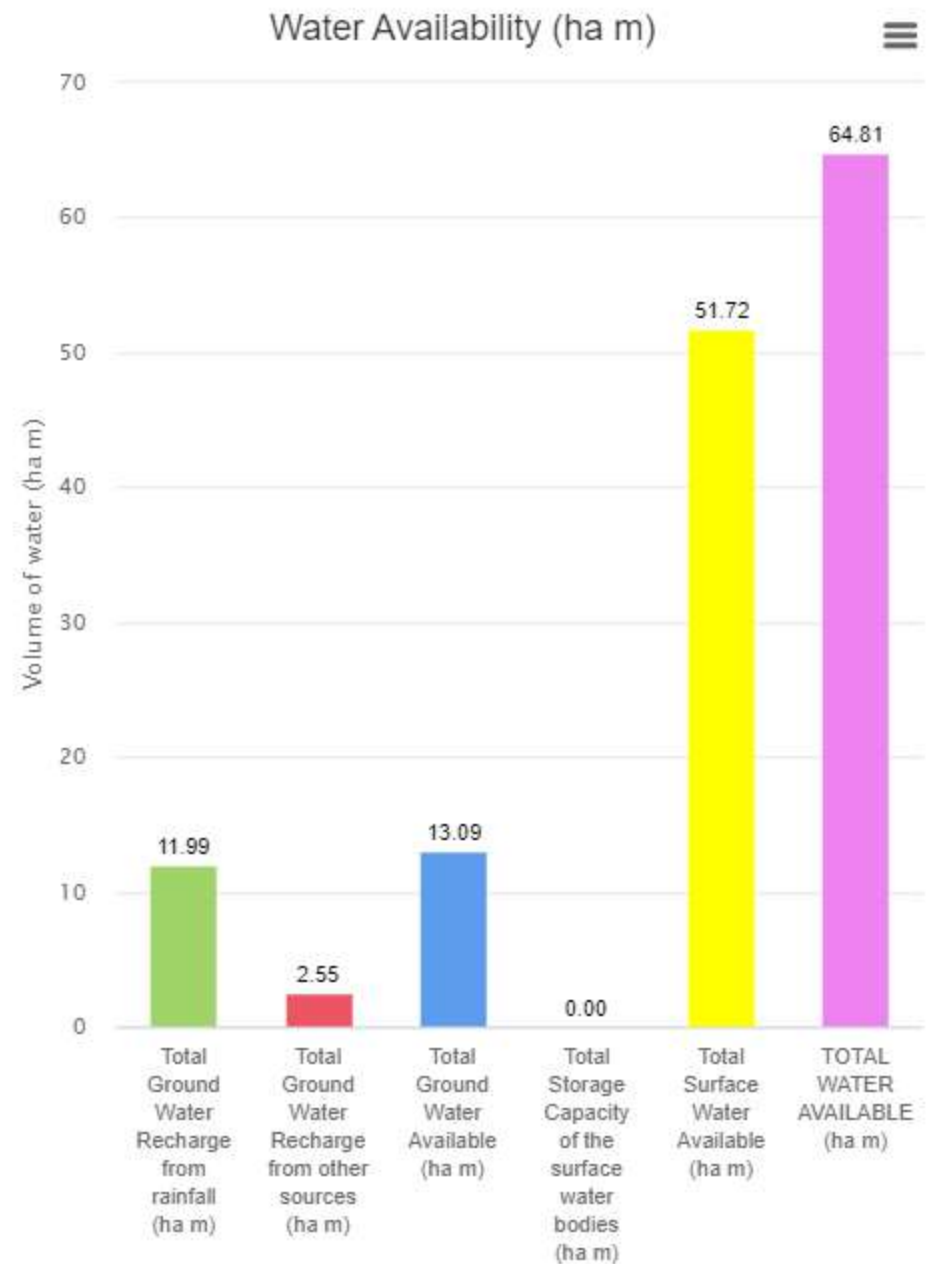
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	DOCHANA	JHUTHARMAL	28.076717	75.998619	2022	Tube Well	I&WRD	T.W_HRY_M.GARH_NARNAUL_DOCHANA_002

S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC (μ S/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)
1	TW_HRY_M.GARH_NARNAUL_DOCHANA_002	244.509995	UNCONFINED	7.8	1544	942	230	61.8	18.4	226	0.7	0	265	123	189	0.6

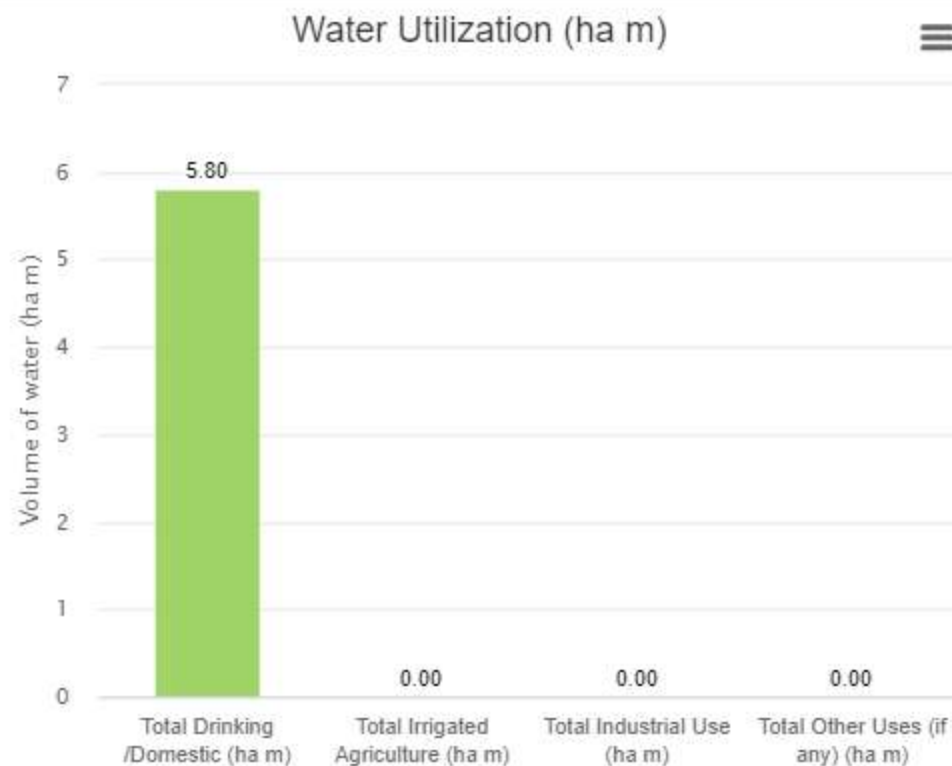
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	684.10
b.	Estimated Volume of Rainfall (ha m)	208.65
c.	Evapotranspiration rate (mm)	390.06
d.	Estimated Evapotranspiration losses (ha m)	118.97
e.	Estimated Water Available From Rainfall (ha m)	89.68
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	26.90
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	8.99
(ii)	Non-Monsoon	3.00
	Total Ground Water Recharge from rainfall (ha m)	11.99
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	0.99
(ii)	Non-Monsoon	1.56
	Total Ground Water Recharge from other sources (ha m)	2.55
c.	Losses Due to Natural Discharge (ha m)	
	Total Ground Water Available (ha m)	13.09
d.	Ground Water Withdrawal (ha m)	
		14.66
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)
Ponds	0	0
	Total Storage Capacity of the surface water bodies (ha m)	0.00
(ii)	Losses if Any (%)	
(iii)	Surface Water Available in Storages (ha m)	
		0.00
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	51.72
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	64.81



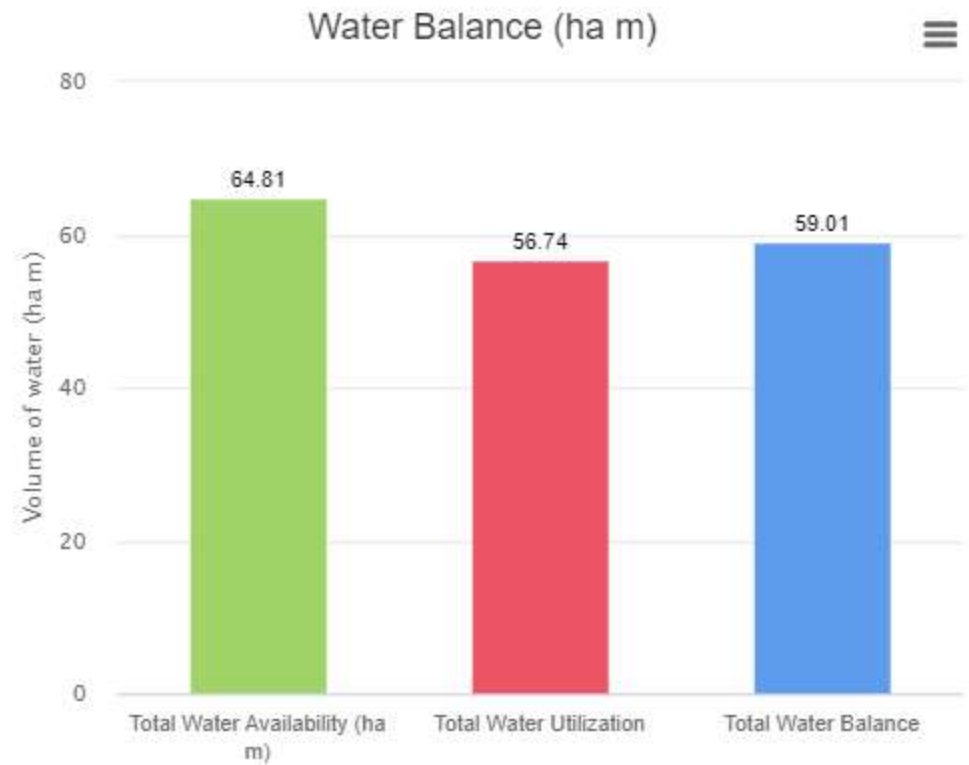
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	1.89
ii)	From Ground Water	3.91
	Total Drinking /Domestic (ha m)	5.80
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	5.09
ii)	From Ground Water	45.85
	Total Irrigated Agriculture (ha m)	50.94
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



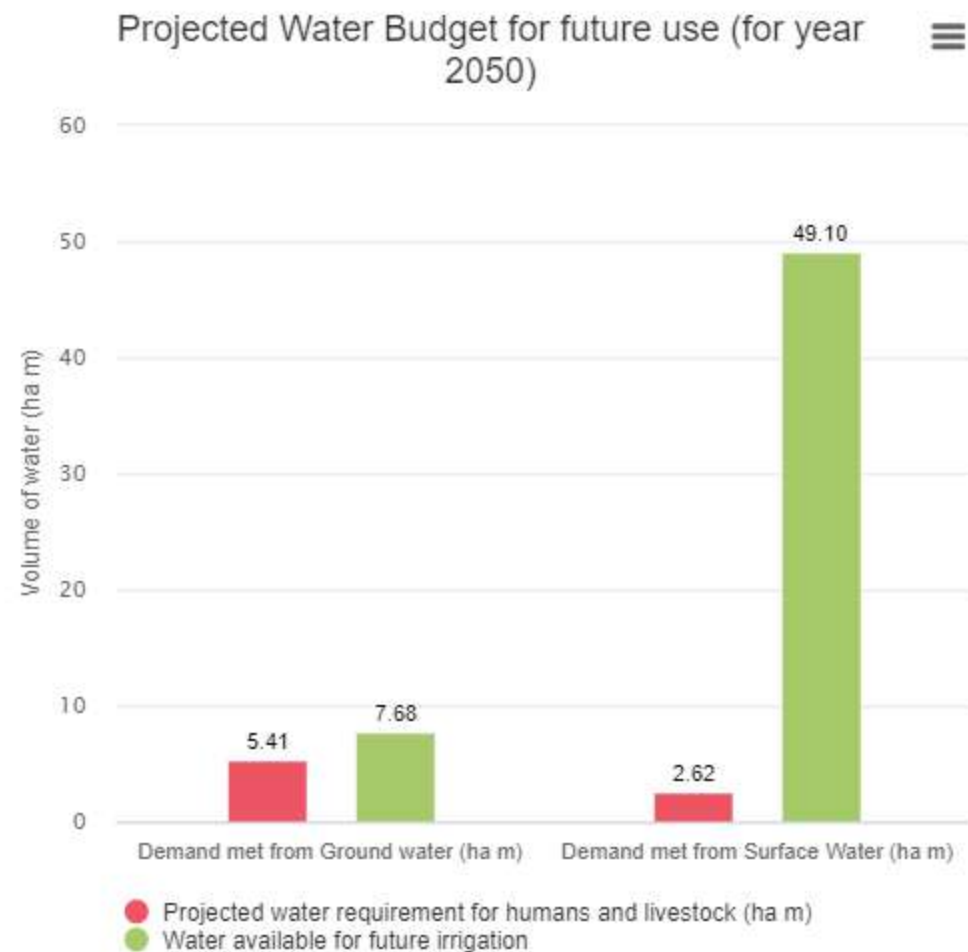
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	13.09
ii)	Total Surface Water Available	51.72
	Total Water Availability (ha m)	64.81
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	6.98
ii)	Total Ground Water Utilization	49.76
	Total Water Utilization	56.74
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	9.18
ii)	Total Surface Water Balance	49.83
	Total Water Balance	59.01



Water Budget Report

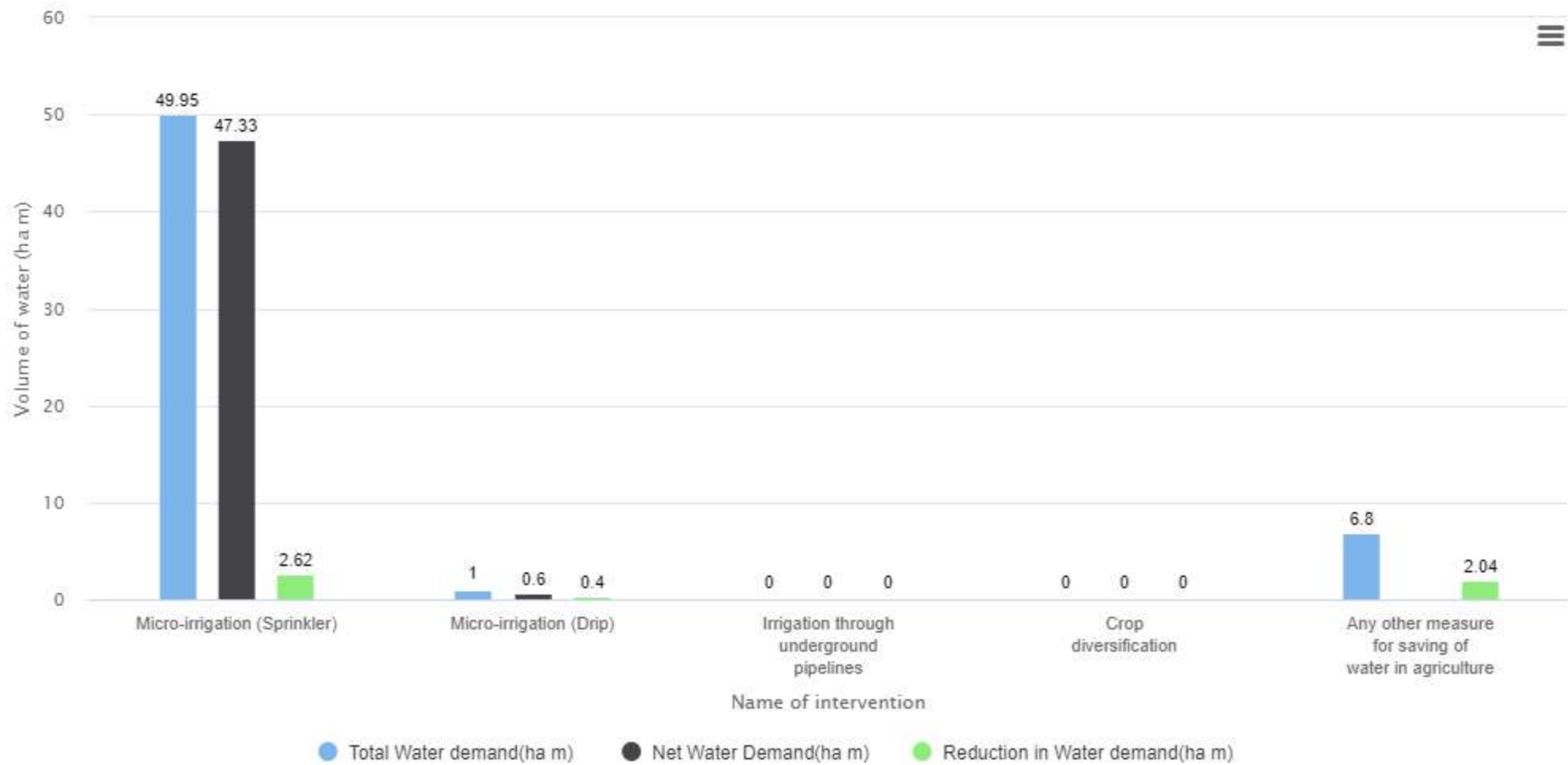
A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	2281.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	3186.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	6.40
II Livestock	
i) Present livestock population	416.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	557.00
v) Average per capita requirement (L)	80.40
vi) Projected water requirement for livestock (as in 2050) (ha m)	1.63
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)	8.03
i) Proposed share to be met from Ground water (in %)	67.39
ii) Proposed share to be met from Surface water (in %)	32.61
iii) Demand met from Ground water (ha m)	5.41
iv) Demand met from Surface water (ha m)	2.62
C Water available for future irrigation	
i) Ground Water	7.68
ii) Surface water	49.10
iii) Total water available for future irrigation	56.78



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	20.00	49.95	47.33	2.62	4.98
2	Drip	1.00	1.00	0.60	0.40	0.98
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	17.00	6.80	--	2.04	0.64
	Total	38.00	57.75	47.93	5.06	6.60

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	20	2023-24	MICADA	PMKSY	4.98
2	Drip	1	2023-24	MICADA	PMKSY	0.98
3	Other Measures	17	2023-24	Agriculture & Farmer Welfare Department	Other	0.6375
	Total	38				6.60



Supply Side

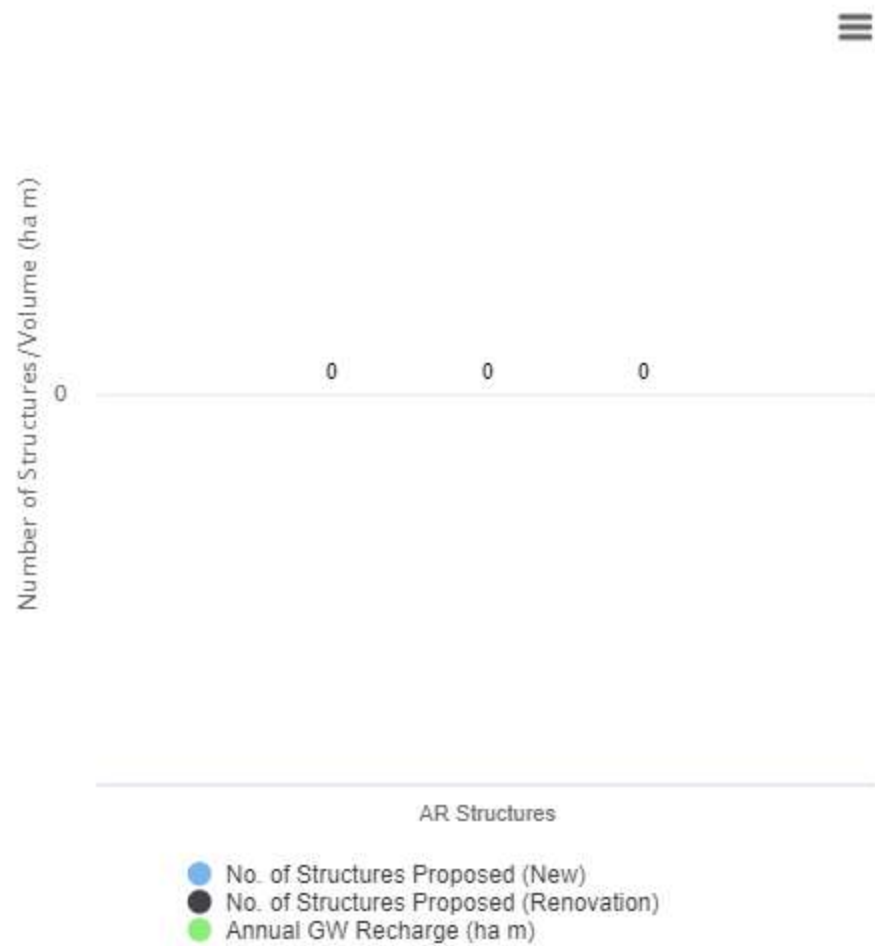
Supply Side (Artificial Recharge Structures)

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)
-------	-------------------	------------------------	--------------------------	--------------	----------	-----------	----------------	-----------------	-------------	-----------------------------

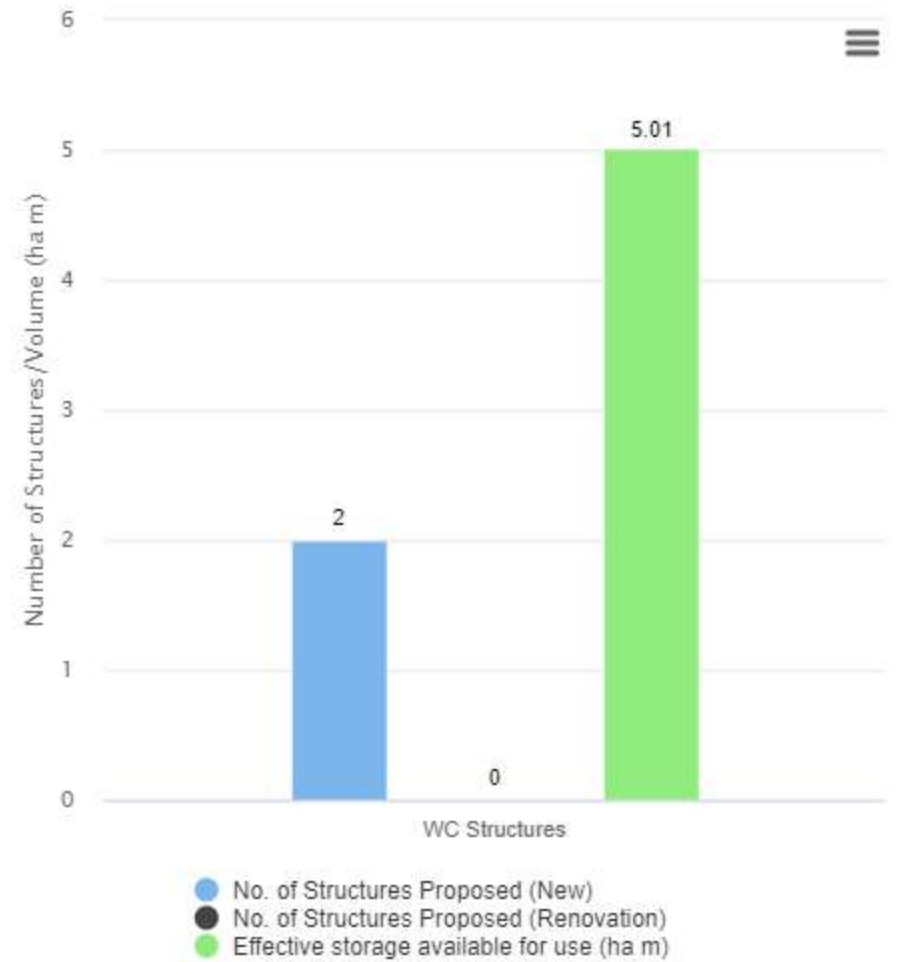
Supply Side (Water Conservation Structures)

SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rain Water Harvesting Structure(New)	1.5	0.09	Dochana(151)	28.075962	76.995751	2023-24	Rural Development Department	DPDC (District Planning and Development Council)	4.5
2	Tanka(New)	8.2	4.9200	Dochana(151)	28.075985	76.995745	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojana incentive fund	281
	Total	9.70	5.01							285.50

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	MOOLCHAND	Chairperson	Male	7876718321
2	SUNITA DEVI	Member	Female	9416904250
3	PAWAN KUMAR	Member	Male	9466356993
4	MAYA DEVI	Member	Female	7015325669
5	SUSHIL KUMAR	Member	Male	9812466290
6	JYOTI	Member	Female	8800230225
7	PREM DEVI	Member	Female	9817343399
8	SUMAN DEVI	Member	Female	9812783944
9	SARJEET	Member	Male	9518478060
10	MADAN LAL	Member	Male	9467183014
11	SARVESH DEVI	Member	Female	9812853787
12	ANJU YADAV	Member	Female	9991338026
13	SAROJ DEVI	Member	Female	9050721435
14	KHAJAN SINGH	Member (JE,Development & panchayat)	Male	9416282235
15	BRAHAMPRAKASH	Member (Gram Sachiv)	Male	9466349897
16	RAHUL YADAV	Technical Member (JE,PHED)	Male	9999609906

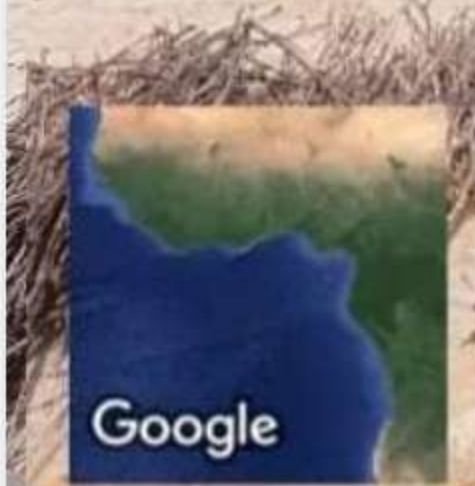
Details of PGWM Meeting in which resolution was passed

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	Narnaul_526	Dochana_31714	20223-08-02	Dochana_31714	Dochana(151)	Panchyat Ghar	15	21	0	36

Photograph



 GPS Map Camera



Dochana, Haryana, India
3294+MH5, Jadupur, Haryana 123001, India
Lat 28.068363°
Long 76.006192°
02/08/23 01:03 PM GMT +05:30

DPMU DECLARATION

I, Nitin Bhasgava (Name), Executive Engineer
(Designation), authorized representative under District Program Management Unit (DPMU)
declare that the WSP of Dechana Gram Panchayat, Narnaul 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:
Date 21/04/2023 Narnaul

Nitin
Executive Engineer
M/Garn Canal WIS Division
Iec expert

Datta
Ciw expert

M.O.M

दिनांक :- 21/8/2023

गांव :- दीचाना

जिला - महेंद्रगढ़

स्थान :- पंचायत घर

ब्लॉक :- नारनौल

राज्य :- हरियाणा

आज दिनांक 21/8/2023 को अटल ग्रुजल योजना की कार्यान्वयन सहायकी टीम (DIP) के जल सप्लाय विकीपको (IOL) ने नारनौल ब्लॉक के दीचाना ग्राम पंचायत में अटल ग्रुजल योजना की जल बँटव का आयोजन किया। इस जल बँटव में ग्राम पंचायत के सदस्यों, किसानों, आवासीय क्षेत्रों एवं महिलाओं ने बड़े-पट्टे में भाग लिया। इस जल बँटव में गांव की जल सुरक्षा योजना (W.S.P) के बारे में कार्य भी हुई।

दौचमा (पिनको लला)

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	उम (AWW)	F	Gen	AWW	Yes	मागनवाडी	0	8397936596	Kabum
2	सुम (AWW)	F	Sc	AWW	Yes	v.wsf	0	9336143536	Sumanada
3	माता देवी AWW	F	Gen	AWW	Yes	मागनवाडी	0	9996492722	माता देवी
4	विना देवी	F	Sc	सदस्य	No	No	0	7882778939	विना
5	विमला देवी	F	Sc	सदस्य	No	No	0	7082778939	विमला देवी
6	मूलचंद्र	M	OBC	सदस्य	Yes	Yes	2 (अ)	787671872	Moolam
7	विक्रम	M	OBC	मिशन	No	No	3 (अ)	9416963897	विक्रम
8	संतरा देवी	F	OBC	गृहणी	No	No	0	9416963897	संतरा देवी
9	सुमिता देवी	F	OBC	गृहणी	No	No	0	9813323116	Sunita
10	सरोज	F	OBC	गृहणी	No	No	0	9056721435	Saroj
11	सनिता	F	Sc	गृहणी	No	No	0	9812037281	Sunita
12	सुनी	F	Sc	गृहणी	No	No	0	9811937281	Suni
13	(AWW) उम देवी	F	Sc	गृहणी (AWW)	Yes	Yes	0	9996861345	उम
14	(AWW) सरोज देवी	F	OBC	गृहणी (AWW)	Yes	Yes	0	9817343371	Saroj
15	सुनी देवी	F	Sc	गृहणी	No	No	0	9817343371	Suni
16	ममला देवी	F	OBC	गृहणी	No	No	0	83074173180	Mamla
17	ममला	F	OBC	गृहणी	No	No	0	7015933309	Mamla
18	रंजु	F	OBC	गृहणी	No	No	0	809494024	Ranj

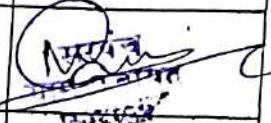
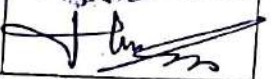
Sr.no	Name	Gender •Female •Male •Other	Category •General •OBC •ST •SC	Occupation	Are you a member of any committee? (Yes/No)	If yes, name of the committee	Land holding Status •Landless •<2.5 acre •2.5-5 acre •>5 acre	Phone no	Signature
1	संतरा	F	SC	गृहणी	No	No	0	7015619424	संतरा
2	पवन कुमार	M	SC	विभागी	Yes	VWSC	2 (अस)	9466356993	Pawan Kumar
3	पवन (पंच)	M	SC	पंच	Yes	Yes	3 (अस)	6378572002	पवन
4	राहुल	M	SC	Student	Yes	Yes	0	8930296589	Rahul
5	मोहन सिंह	M	Gen	विभागी	No	No	2 (अस)	9817486911	मोहन सिंह
6	मोहन सिंह	M	OBC	विभागी	No	No	4 (अस)	8395996637	Mohan Singh
7	जय सिंह	M	OBC	विभागी	No	No	3 (अस)	8460952467	Jai Singh
8	योगेश	M	Gen	Student	No	No	0 (अस)	9812363027	Yogesh
9	संजय	M	OBC	विभागी	No	No	2 (अस)	9671709580	संजय
10	पल्लव	M	OBC	विभागी	No	No	3 (अस)	7027169440	पल्लव
11	मोहन	M	OBC	Student	No	No	0	8930296589	मोहन
12	नवीन	M	SC	Student	No	No	0	8814822164	नवीन
13	सुशील कुमार	M	SC	विभागी	Yes	VWSC		9812466290	Sushil
14	माया देवी	F	OBC	गृहणी	Yes	VWSC		7015325669	Maya Devi
15	उम देवी	F	OBC	"	Yes	"		9817343399	उम
16	सरजीत	M	OBC	"	Yes	"		9518478060	सरजीत
17	अंजलि	F	OBC	"	Yes	"		9991338026	Anjali
18	सरजीत	F	SC	"	Yes	"		9050721435	Sarjot

ANNEXURE III

RESOLUTION

Date: 02/08/23.

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Dochana Gram Panchayat, Narhaul Block/Taluk/Mandal, Mahendragadh 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 02/08/2023.

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	मूलचन्द्र सरपंच	
2	Gram Panchayat Secretary	HANASINGH (9467849494)	

प्रस्ताव (RESOLUTION)

दिनांक:- 21/8/2023

गाँव:- दोचाना

जिला:- महेन्द्रगढ़

स्थान:- पंचायतघर

ब्लॉक/खण्ड:- नारनौल

राज्य:- हरियाणा

आज दिनांक 21/8/2023 को जल भूजल योजना की जिला कार्यन्वयन सहभागी टीम (DIP) के जनसंपर्क विशेषज्ञों (IEC) ने नारनौल ब्लॉक के दोचाना गाँव में प्रस्ताव (Resolution) के लिए जल बैठक का आयोजन किया गया। उस जल बैठक में गाँव के कुछ वरिष्ठ किसान, महिलाएँ एवं ग्राम जल स्वच्छता समिति (VWSC) के सदस्यों ने अपनी सहभागिता दिखाई। जल बैठक के प्रारम्भ में पिछली जल बैठकों का प्रिक्र करते हुये भूजल स्तर (Water Level) बढ़ने हेतु जो सुझाव गाँव वालों ने बताये, उनको गाँव की जल सुरक्षा योजना (WSP) में उल्ला गया है वे निम्नलिखित प्रकार से हैं:-

- (1) गाँव के नहरों द्वारा जोड़े गये जौहड़ों (Ponds) में बड़े रिचार्ज बोरे (Recharge Bore) बनवाये जाये। जिन रिचार्ज बोरे की गहराई उस गाँव के चबूते (Underground water level) तक करवाई जाये।
- (2) गाँव के सरकारी/सरकारी स्कूल में रेनवाटर हारवैस्टिंग सिस्टम (Rainwater Harvesting) बनवाया जाये।
- (3) गाँव के सुखे हुये जौहड़ों (Ponds) को नहर से जुड़ाया जाये एवं प्रत्येक महीने उनमें नहर पानी डलवाया/छुड़ाया जाये।
- (4) गाँव के कुछ जौहड़ों (Ponds) की साफ-सफाई, दंडाई एवं उनका प्रीगोउट्टर (Renovation) किया जाये।

दौचमा (पिनको लला)

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	उम (AWW)	F	Gen	AWW	Yes	मागनवाडी	0	8397936596	Kabum
2	सुम (AWW)	F	Sc	AWW	Yes	v.wsf	0	9336143536	Sumanada
3	काता देवी AWW	F	Gen	AWW	Yes	मागनवाडी	0	9996492722	काता देवी
4	विना देवी	F	Sc	सदस्य	No	No	0	7882778939	विना
5	विमला देवी	F	Sc	सदस्य	No	No	0	7082778939	विमला देवी
6	मूलचंद	M	OBC	सदस्य	Yes	Yes	2 (अ)	787671872	Moolam
7	परिषद	M	OBC	सदस्य	No	No	3 (अ)	9416963897	परिषद
8	संतरा देवी	F	OBC	गृहणी	No	No	0	9416963897	संतरा देवी
9	सुमिता देवी	F	OBC	गृहणी	No	No	0	9813323116	Sunita
10	सरोज	F	OBC	गृहणी	No	No	0	9056721435	Saraj
11	सनिता	F	Sc	गृहणी	No	No	0	9812037281	Sunita
12	सुनी	F	Sc	गृहणी	No	No	0	9811937281	Suni
13	(AWW) उम देवी	F	Sc	गृहणी (AWW)	Yes	Yes	0	9996861345	उम
14	(AWW) सरोज देवी	F	OBC	गृहणी (AWW)	Yes	Yes	0	9817343371	Saraj
15	सुनी देवी	F	Sc	गृहणी	No	No	0	9817343371	Suni
16	ममला देवी	F	OBC	गृहणी	No	No	0	83074173180	Mamla
17	ममला	F	OBC	गृहणी	No	No	0	7015933309	Mamla
18	रंजु	F	OBC	गृहणी	No	No	0	809494024	Ranj

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	संतरा	F	SC	गृहणी	No	No	0	7015619424	संतरा
2	पवन कुमार	M	SC	विमान	Yes	VWSC	2 (अस)	9466356993	Pawan Kumar
3	पवन (पंच)	M	SC	पंच	Yes	Yes	3 (अस)	6378572002	पवन
4	राहुल	M	SC	Student	Yes	Yes	0	8980296589	Rahul
5	मोहन सिंह	M	Gen	विमान	No	No	2 (अस)	9817486911	मोहन सिंह
6	मोहन सिंह	M	OBC	विमान	No	No	4 (अस)	8395996637	Mohan Singh
7	जय सिंह	M	OBC	विमान	No	No	3 (अस)	8460952467	Jai Singh
8	योगेश	M	Gen	Student	No	No	0 (अस)	9812363027	Yogesh
9	संजय	M	OBC	विमान	No	No	2 (अस)	9671709580	संजय
10	पल्लव	M	OBC	विमान	No	No	3 (अस)	7027169440	पल्लव
11	मोहन	M	OBC	Student	No	No	0	8930296589	मोहन
12	नवीन	M	SC	student	No	No	0	8814822164	नवीन
13	सुशील कुमार	M	SC	विमान	Yes	VWSC		9812466290	Sushil
14	माया देवी	F	OBC	गृहणी	Yes	VWSC		7015325669	Maya Devi
15	उम देवी	F	OBC	"	Yes	"		9817343399	उम
16	सरजीत	M	OBC	"	Yes	"		9518478060	सरजीत
17	अंजलि	F	OBC	"	Yes	"		9991338026	Anjali
18	सरजीत	F	SC	"	Yes	"		9050721435	Sarajit