

Water Security Plan Report

Date : 30-09-2023 Time : 2:40 PM User Name : xen.ataljal@gmail.com

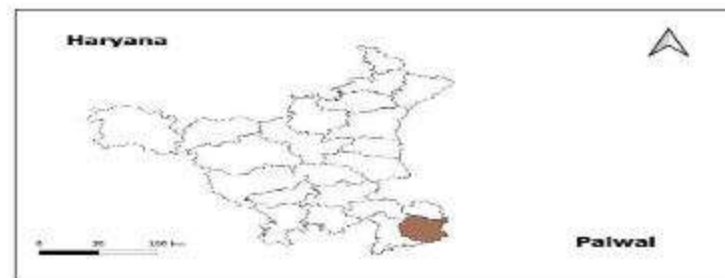
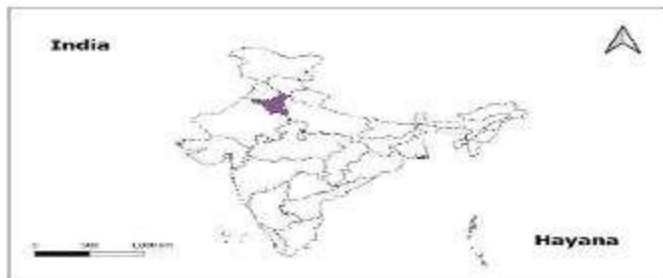
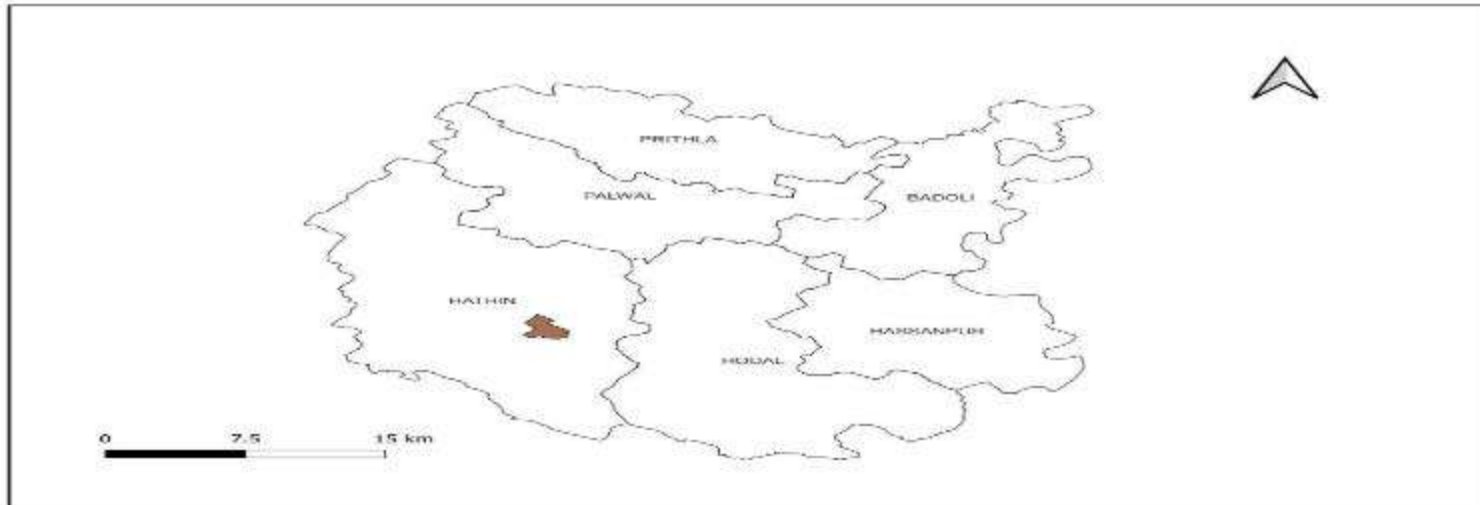
STATE: HARYANA_6 » DISTRICT: PALWAL_619 » BLOCK: HATHIN_466 » GRAM PANCHAYAT: MOHDAMKA_28826 » YEAR: 2023-24 »

Gram Panchayat Information

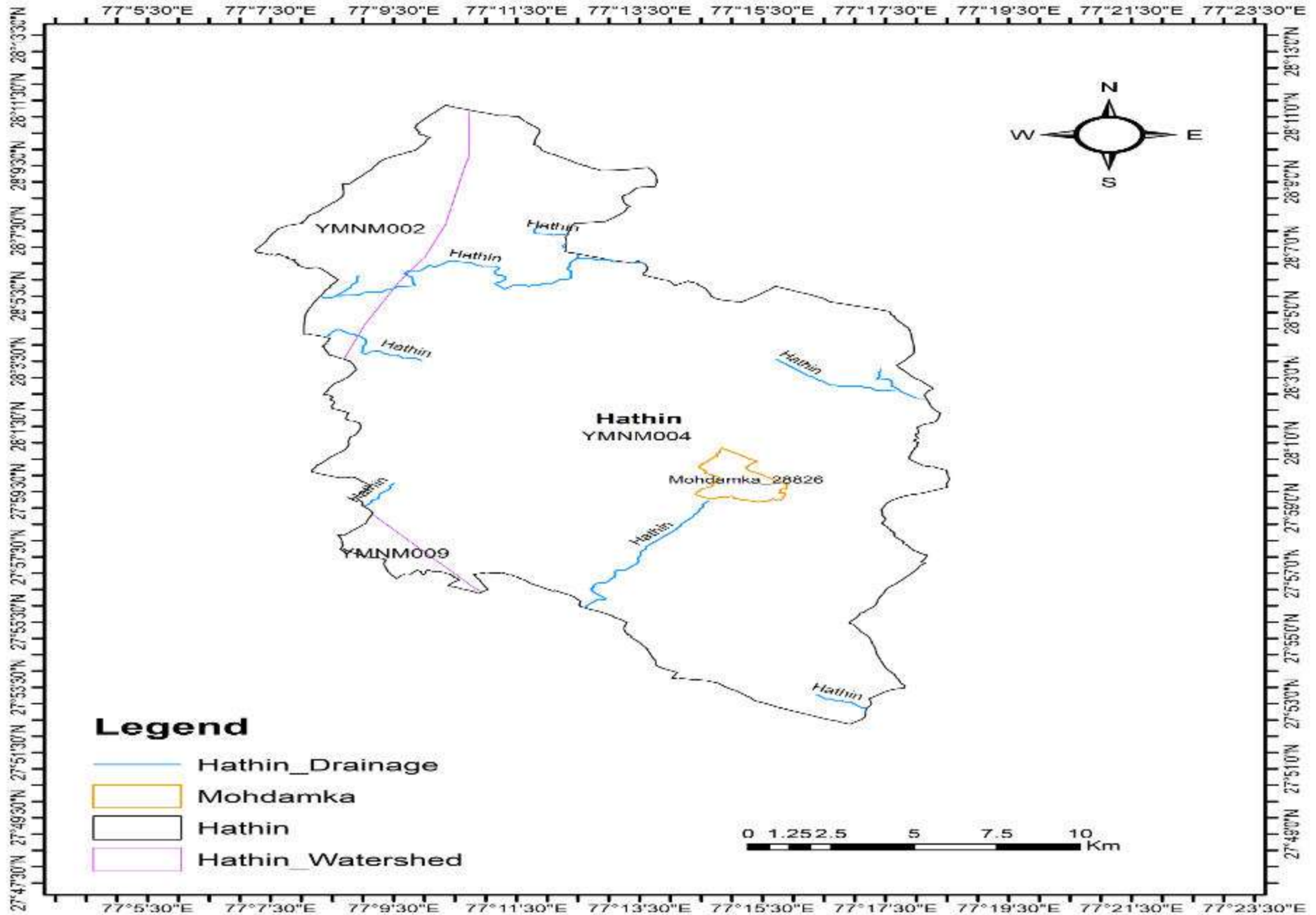
State:	Haryana_6	District:	Palwal_619
Block / Taluk :	Hathin_466	GP Name :	Mohdamka_28826
GP ID :	28826	Block Area (Ha) :	35990.49
GP area (Ha) :	146.00	Watershed Code :	YMNM004
Watershed name :	Yamuna	Watershed area in Block / Taluk (Ha) :	244653.04
Sub-basin Code :	2a	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2C	Basin Name :	Yamuna

Location Map

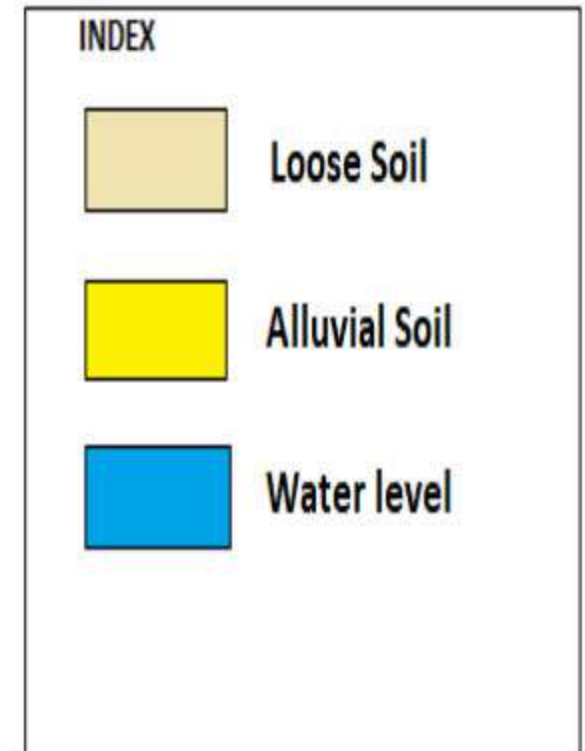
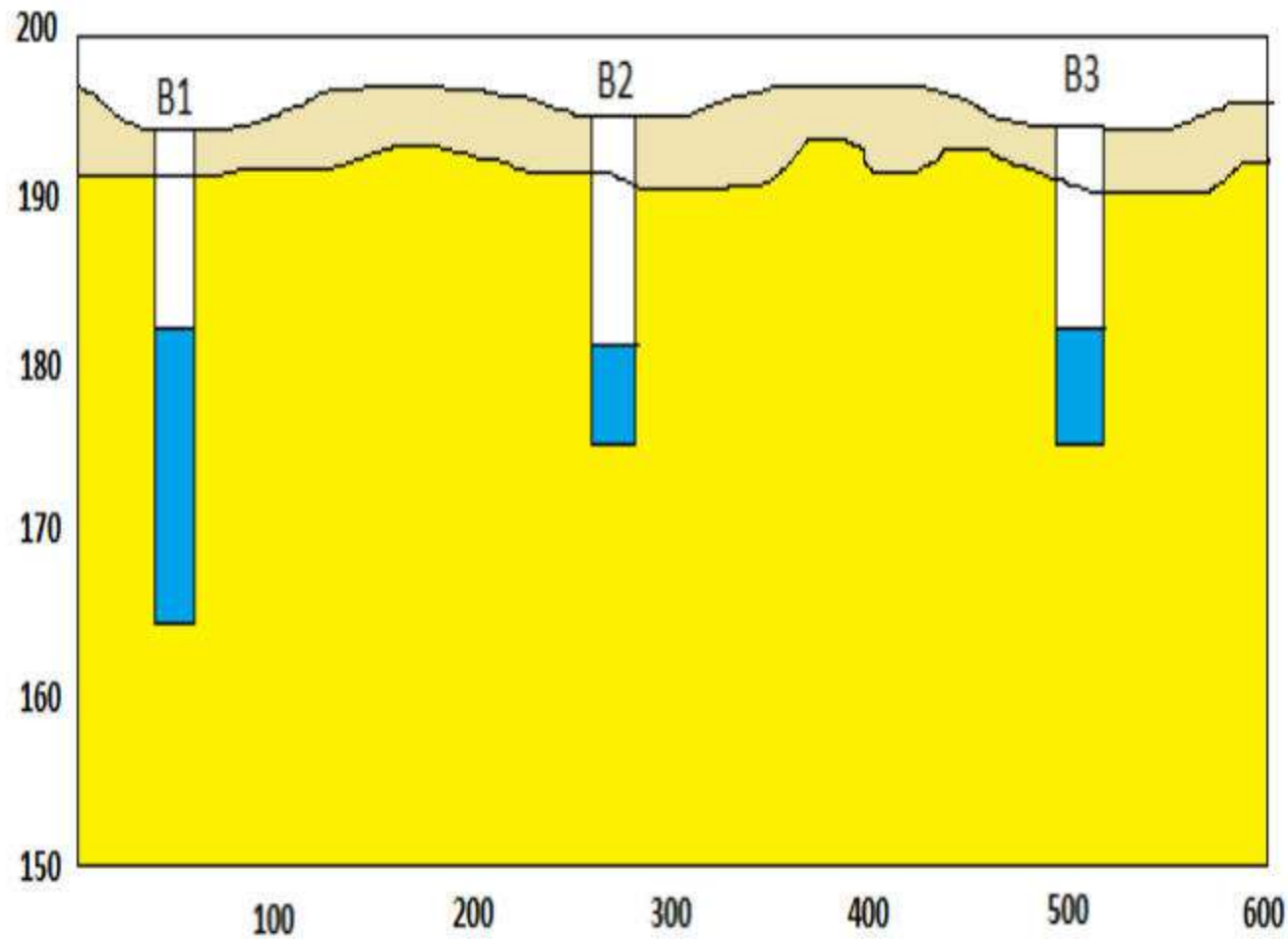
Location map: Mohdamka Gram Panchayat, Hathin Block, Palwal District, Haryana



Mohdamka: Drainage & Watershed Map



Aquifer map of Gram panchayat : Mohdamka, Hathin, Palwal



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	Mohdamka	Sarpanch house	28.00529	77.24187	53:56.2	028826-001	Bore Well	null	Private	null	0.15	20	0.1	8.1	26-04-23
	Mohdamka	Sarpanch house	28.00529	77.24187	53:56.2	028826-001	Bore Well	null	Private	null	0.15	20	0.1	7.86	26-06-23
	Mohdamka	Sarpanch house	28.00529	77.24187	53:56.2	028826-001	Bore Well	null	Private	null	0.15	20	0.1	7.5	24-09-23
	Mohdamka	Sarpanch house	28.00529	77.24187	53:56.2	028826-001	Bore Well	null	Private	null	0.15	20	0.1	7.5	25-07-23
	Mohdamka	Sarpanch house	28.00529	77.24187	53:56.2	028826-001	Bore Well	null	Private	null	0.15	20	0.1	7.53	23-08-23
	Mohdamka	Sarpanch house	28.00529	77.24187	53:56.2	028826-001	Bore Well	null	Private	null	0.15	20	0.1	7.9	22-05-23

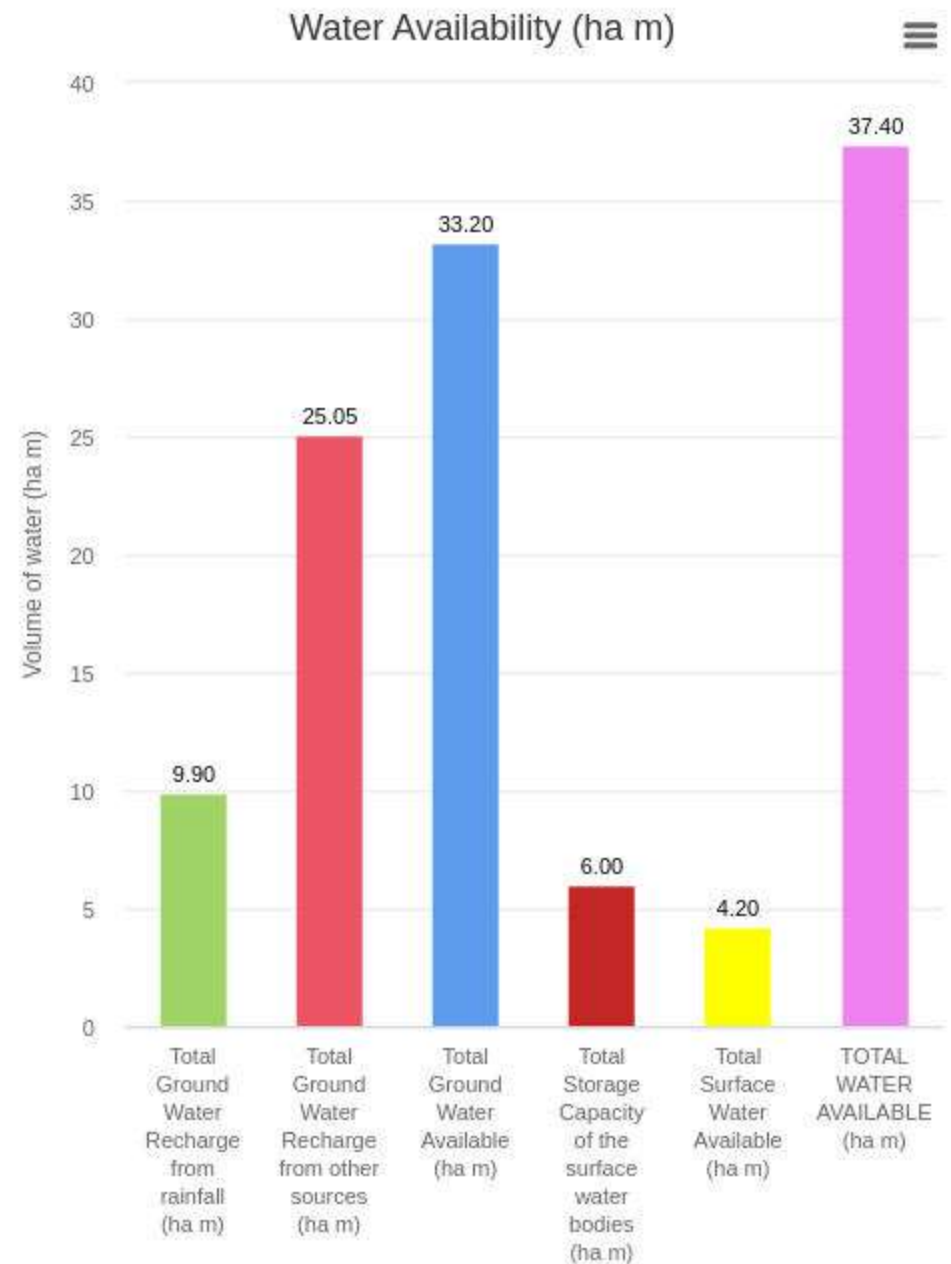
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	MOHDAMKA	MOHDAMKA	28.001301	77.248398	2022	Tube Well	I&WRD	PAL/HAT/MOH/001
2	MOHDAMKA	MOHDAMKA	28.004101	77.242996	2022	Tube Well	I&WRD	PAL/HAT/MOH/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)	Nitr ate (mg/L)
1	PAL/HAT/MOH/001	16	ALLUVIAL	7.2	9690	5814	2940	396	474	1020	12.6	0	290	694	2160	1.04	46
2	PAL/HAT/MOH/002	16	ALLUVIAL	7.3	5674	3404	1230	67.2	258	724	10	0	286	398	840	1	41

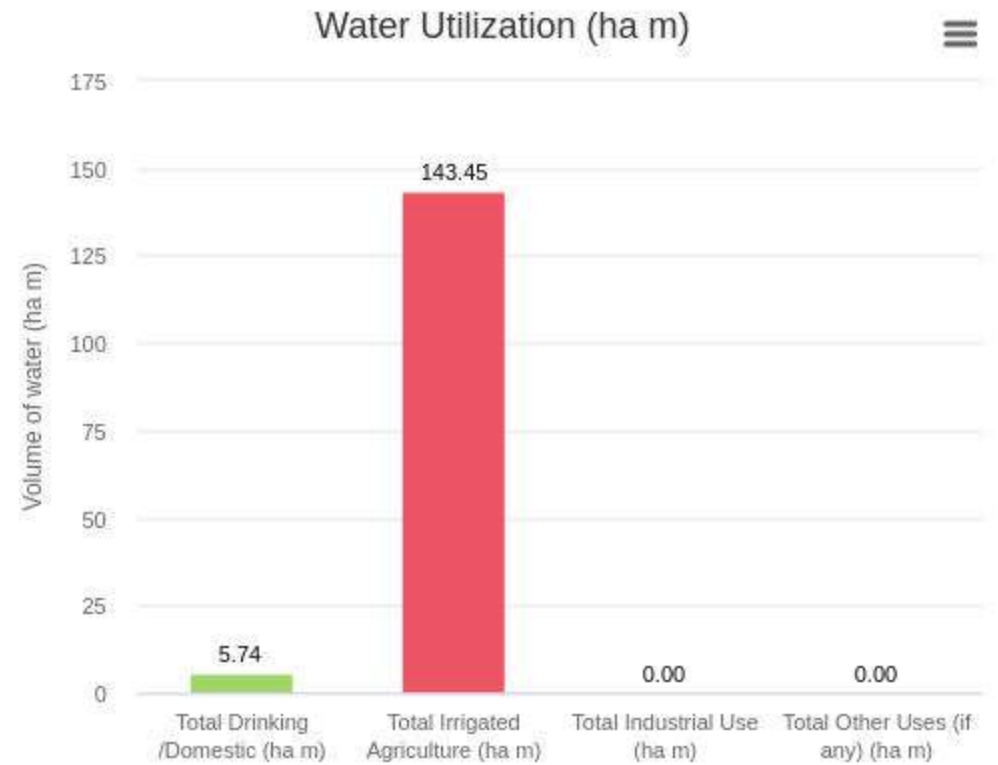
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	675.80
b.	Estimated Volume of Rainfall (ha m)	98.67
c.	Evapotranspiration rate (mm)	378.43
d.	Estimated Evapotranspiration losses (ha m)	55.25
e.	Estimated Water Available From Rainfall (ha m)	43.42
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	13.03
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	9.78
(ii)	Non-Monsoon	0.12
	Total Ground Water Recharge from rainfall (ha m)	9.90
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	11.28
(ii)	Non-Monsoon	13.77
	Total Ground Water Recharge from other sources (ha m)	25.05
c.	Losses Due to Natural Discharge (ha m)	1.75
	Total Ground Water Available (ha m)	33.20
d.	Ground Water Withdrawal (ha m)	21.53
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	1	6
	Total Storage Capacity of the surface water bodies (ha m)	6.00
(ii)	Losses if Any (%)	30.00
(iii)	Surface Water Available in Storages (ha m)	4.20
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	4.20
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	37.40



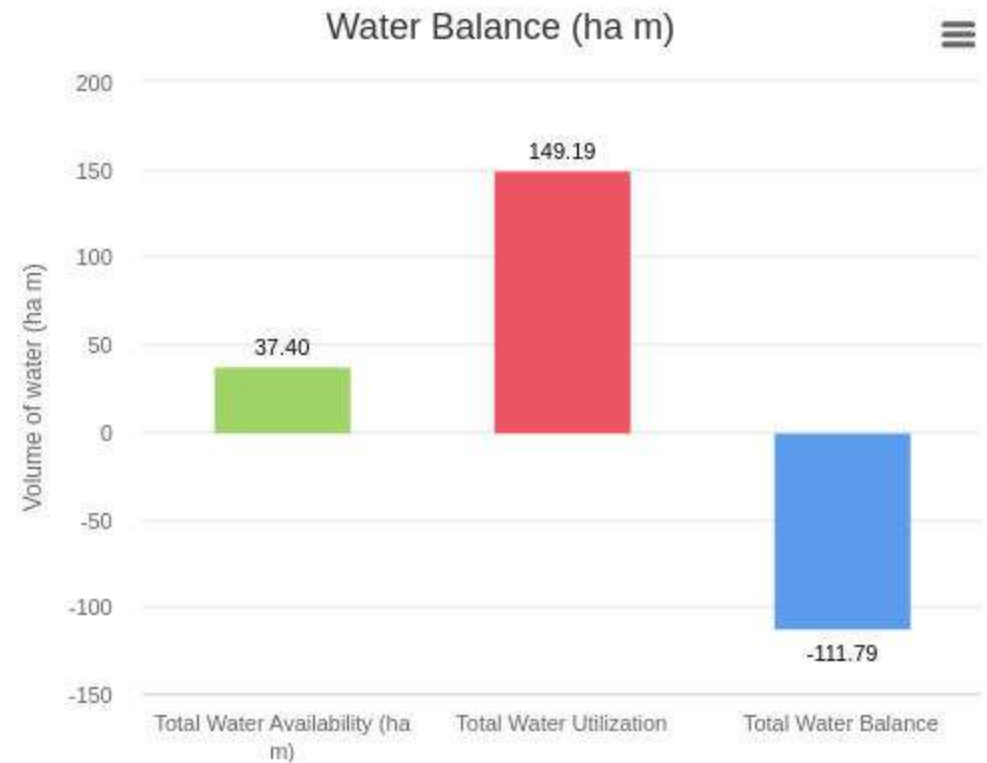
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	5.74
	Total Drinking /Domestic (ha m)	5.74
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	143.45
	Total Irrigated Agriculture (ha m)	143.45
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

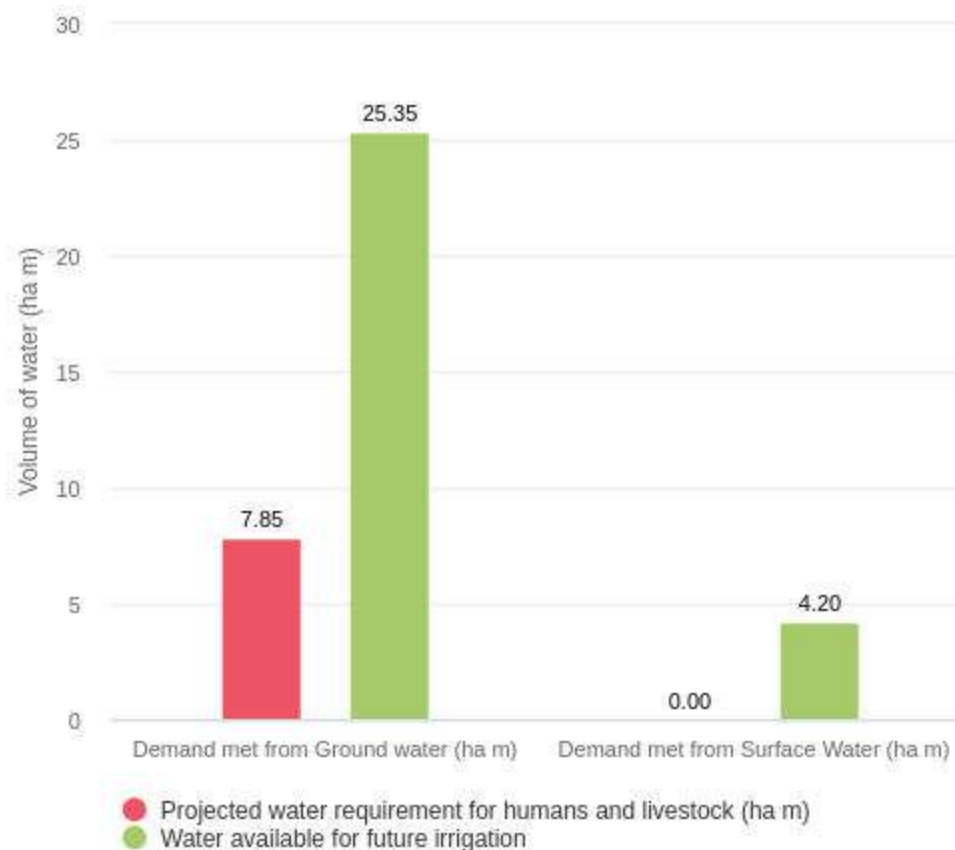
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	33.20
ii)	Total Surface Water Available	4.20
	Total Water Availability (ha m)	37.40
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	0
ii)	Total Ground Water Utilization	149.19
	Total Water Utilization	149.19
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-115.99
ii)	Total Surface Water Balance	4.20
	Total Water Balance	-111.79



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	1418.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	1980.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	3.97
II Livestock	
i) Present livestock population	605.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	811.00
v) Average per capita requirement (L)	130.92
vi) Projected water requirement for livestock (as in 2050) (ha m)	3.88
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)	7.85
i) Proposed share to be met from Ground water (in %)	100.00
ii) Proposed share to be met from Surface water (in %)	0.00
iii) Demand met from Ground water (ha m)	7.85
iv) Demand met from Surface water (ha m)	0.00
C Water available for future irrigation	
i) Ground Water	25.35
ii) Surface water	4.20
iii) Total water available for future irrigation	29.55

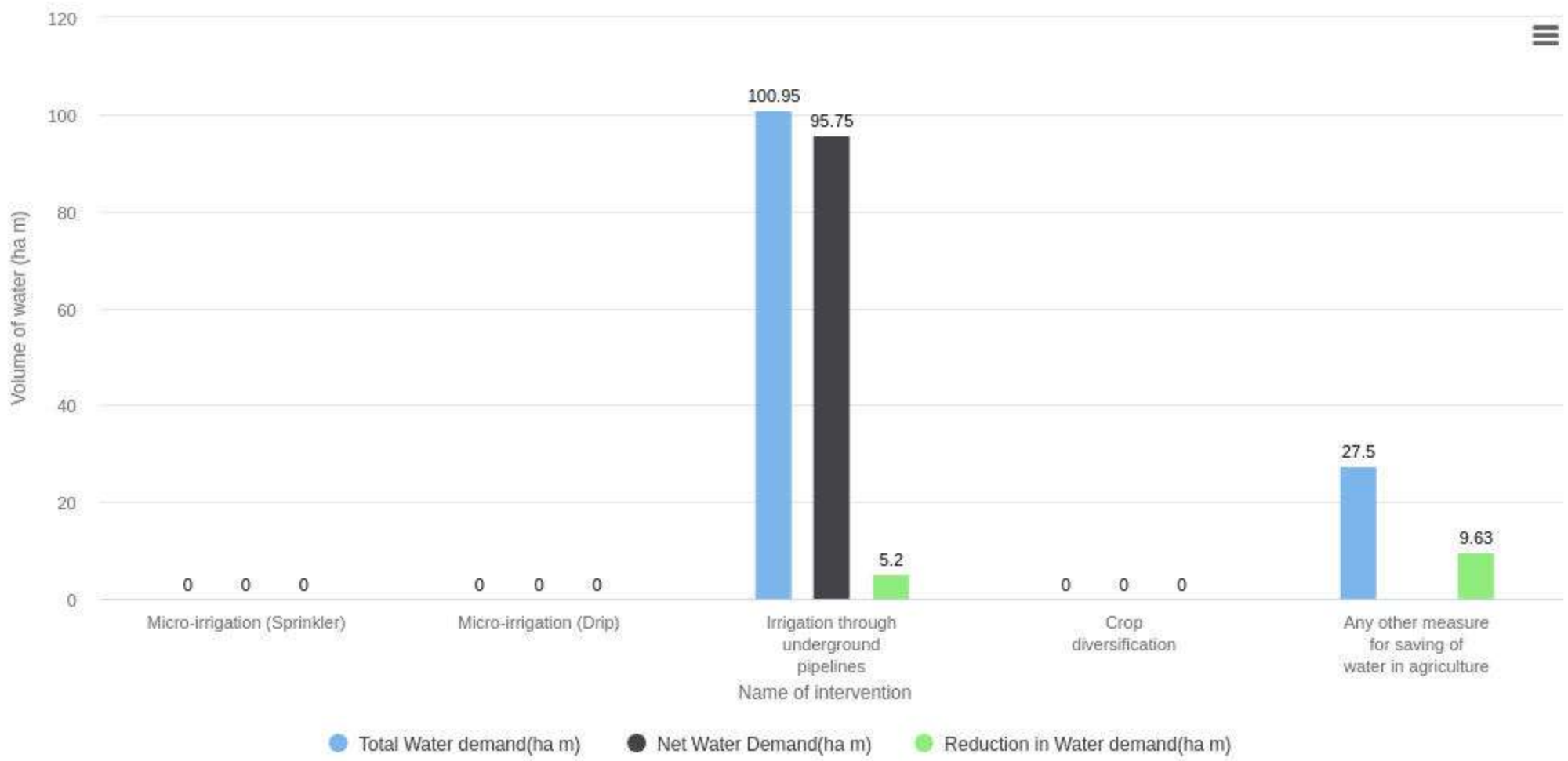
Projected Water Budget for future use (for year 2050)



Demand Side

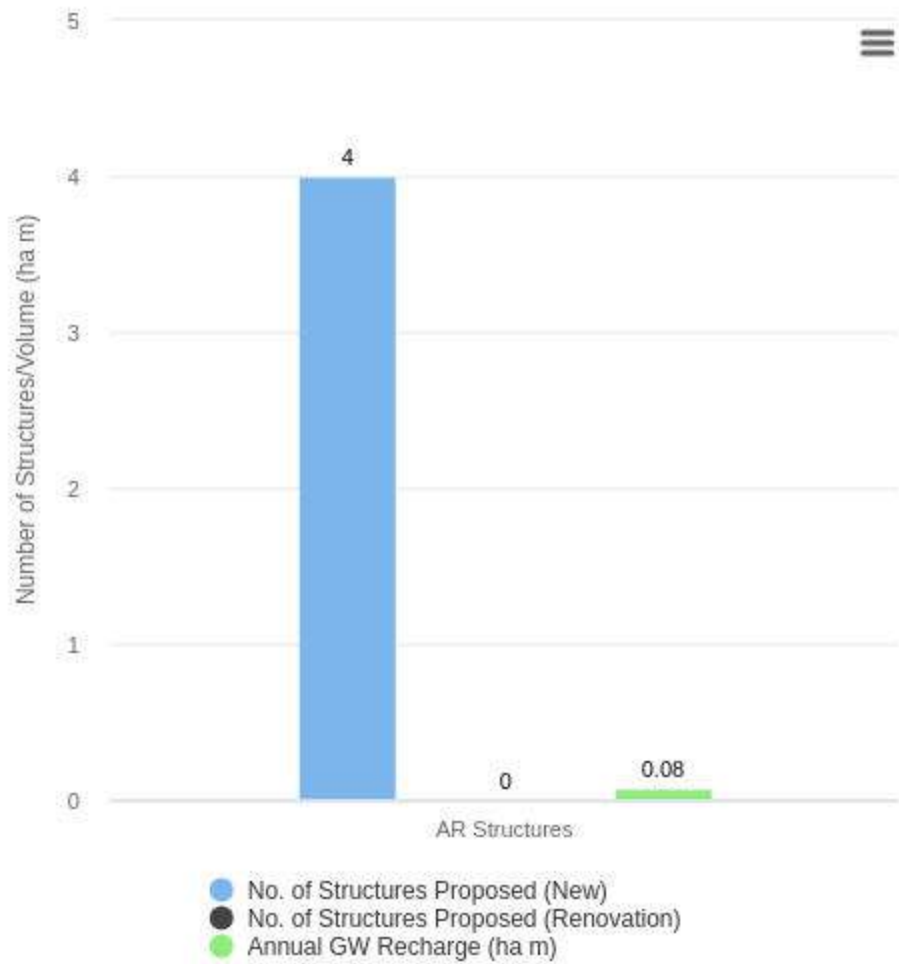
Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ha m)	Net Water Demand(ha m)	Reduction in Water demand(ha m)	Approximate cost(in lakh)
1	Sprinkler	0.00	0.00	0.00	0.00	0.00
2	Drip	0.00	0.00	0.00	0.00	0.00
3	Pipelines	35.00	100.95	95.75	5.20	21.00
4	Crop Diversification	0	0.00	0.00	0.00	0.00
5	Other Measures	50.00	27.50	--	9.63	2.50
	Total	85.00	128.45	95.75	14.83	23.50

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	UG Pipelines	35	2023-24	Agriculture Soil & Conservation Office	Rashtriye Krishi Vikas Yoajan (RKVY)	21
2	Other Measures	50	2023-24	Agriculture & Farmer Welfare Department	Other	2.5
	Total	85				23.50

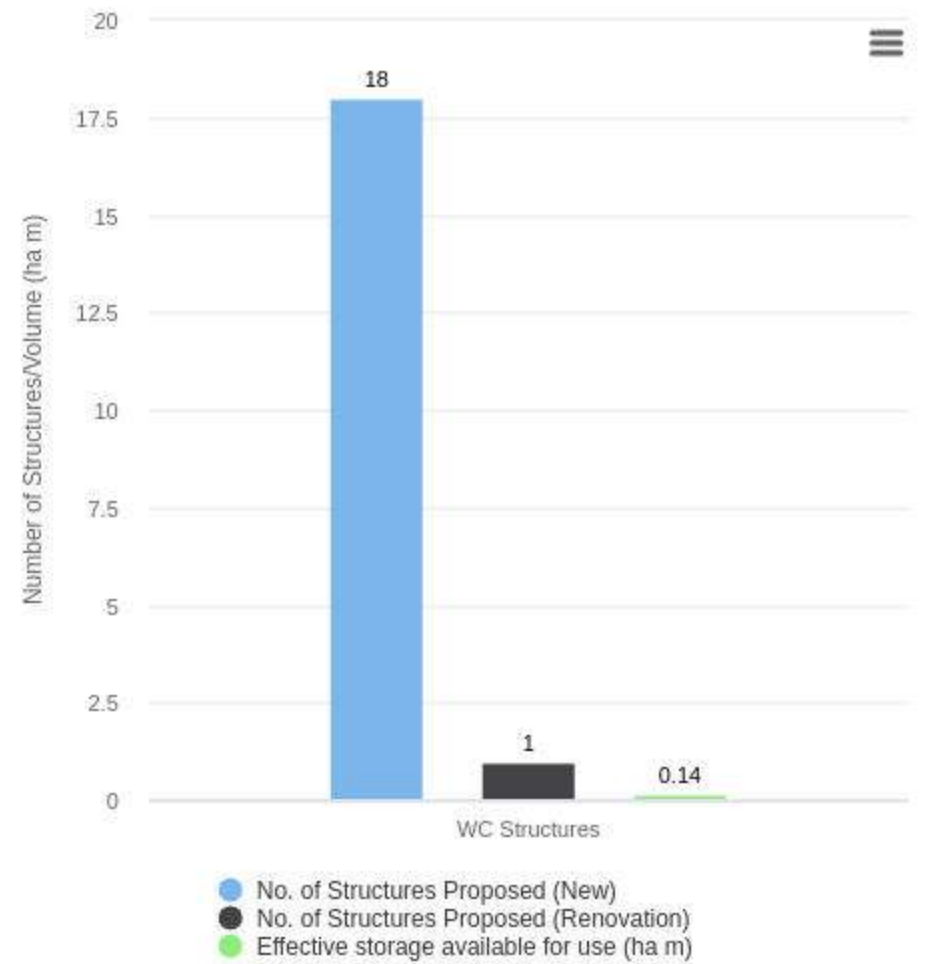


Supply Side (Water Conservation Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Tanka(New)	0.02	0.00	Mohdamka(237)	28.003748	77.242526	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
2	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004007	77.242077	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
3	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004276	77.242095	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
4	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004069	77.241802	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
5	Tanka(New)	0.02	0.00	Mohdamka(237)	28.003928	77.241791	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
6	Tanka(New)	0.02	0.00	Mohdamka(237)	28.00424	77.241433	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
7	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004944	77.242697	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
8	Tanka(New)	0.002	0.00	Mohdamka(237)	28.004758	77.242019	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
9	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004374	77.241513	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
10	Tanka(New)	0.02	0.00	Mohdamka(237)	28.00493	77.241696	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
11	Tanka(New)	0.02	0.00	Mohdamka(237)	28.003709	77.24192	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
12	Tanka(New)	0.02	0.00	Mohdamka(237)	28.003469	77.242155	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
13	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004353	77.243746	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98
14	Tanka(New)	0.02	0.00	Mohdamka(237)	28.004635	77.243562	2023-24	Irrigation & Water Resource Development	Other - atal bhujal yojna	0.98

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	MUKHTYAR	Chairperson	Male	7419004198
2	CHARAN SINGH	Member (Gram Sachiv)	Male	9813793978
3	RUKSAR	Member	Female	8053356586
4	SHAHNAJ	Member	Female	8708682414
5	FAJAN	Member	Male	9991524376
6	MAHMUDDI	Member	Female	8930326771
7	JANNATI	Member	Female	9812620965
8	ARSHIDA	Member	Female	8930789606
9	SHAHBUDDIN	Member	Male	9813424682
10	RUBI	Member	Female	9050565216
11	ASLAM	Member	Male	9050714424
12	ARFINA	Member	Female	9813489789
13	BILKIS	Member	Male	9050467001
14	SAJID	Member	Male	9813489789
15	SACHIN	Member	Male	8607172709
16	SH. MOHD. ARIF HUSSAIN ANSARI	Member	Male	9466602786

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	Palwal_619	Hathin_466	Mohdamka_28826	2023-08-23	Mohdamka_28826	Mohdamka(237)	sarpanch ki baitaik	14	10	0	24

Photograph

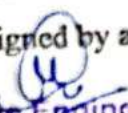


Annexure -II

DPMU DECLARATION

I, MOHIT VASHISHTA (Name), XEN
(Designation), authorized representative under District Program Management Unit
(DPMU) declare that the Water Security Plan (WSP) submitted for the
Mohdamba Gram Panchayat.
Hathin Block/Taluk, Palwal District is
complete in all respect.

It is hereby confirmed that the Minutes of community-level Meeting and Resolution attached
are in order and signed by authorized signatories.


Executive Engineer
Palwal Water Services Division
PALWAL

Seal and Signature of authorized DPMU Official: _____

Date:


GWE



ग्राम पंचायत - मोहदमका

खण्ड - धौन

जिला - पलवल

ब्लेड:- जल सुरक्षा योजना में संसोधन ।

आज दिनांक 23/8/23 को JIP Team द्वारा ग्राम पंचायत मोहदमका स्थान सरपंच की बैठक पर अटल भुजल योजना के तहत जल सुरक्षा योजना हेतु बैठक का आयोजन किया गया जिसमें अटल भुजल योजना के परिचय पर फिर से चर्चा की गई। जिसमें सरपंच व PWSOC के सदस्यों सहित अन्य ग्रामवासियों की शय से ग्राम पंचायत के लिए जल सुरक्षा योजना जो पहले से बनाई गई थी उसमें संसोधन करने हेतु चर्चा की गई। निष्कर्ष:- गाव में जोडस की सफाई कराई जाये व श्वेतों में ड्रिप सिस्टम और UGPL सिस्टम लगाया जाये। और जसल विविधिकरण कराया जाये और धरो में टांका बनवाये जाये

उपयुक्त सभी कार्य जल सुरक्षा योजना में संसोधन किये जाये और सरपंच सहित अन्य ग्रामवासियों की उपस्थिती में विनियम (रज्युलेशन) जारी किया गया।

ANNEXURE III

RESOLUTION

Date: 23/8/23

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of मोहदमका Gram Panchayat, दयानि Block/Taluk/Mandal, पलवल District, हरियाणा 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 23/08/2023

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Mukhtayar	मुरख्तयार
2	Gram Panchayat Secretary	Charan Singh	Charan G.S

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	Mukhtyar	M	OBC	Sarpanch	Yes	VWSC	75a	7419004197	मुख्तियार
2	Ruksar	F	OBC	Member	Yes	VWSC	-	8053356586	रुकसार
3	Shamaj	F	OBC	Member	Yes	VWSC	-	8708882414	शहनाज
4	Faijan	M	OBC	Member	Yes	VWSC	2.5-5	9901524376 801054	फैज
5	Mehamudi	F	OBC	A.W.W	Yes	VWSC	-	8930826771	महमूदी
6	Jammi	F	OBC	S.worker	Yes	VWSC	-	9812620965	जम्मि
7	Arasida	F	OBC	Member	Yes	VWSC	2.5-5	8930789606	अरसीदा
8	Shahabuddin	M	OBC	Member	Yes	VWSC	75a	9813424632	शहबुद्दीन
9	Ruby	F	OBC	S.worker	Yes	VWSC	-	9050565316	रुबी
10	Aslam	M	OBC	Chokidar	Yes	VWSC	75a	9051714424	असलम
11	Arfeema	F	OBC	S.worker	Yes	VWSC	-	9813499789	अरफ़ीमा
12	Bilkis	F	OBC	A.W.W	Yes	VWSC	-	9050467001	बिलकिस
13	Sajid	M	OBC	Farmer	No	No	<2.5	9513469759	साजिद
14	Jarubana	F	OBC	H.wife	No	No	2.5-5	-	जरीबाना
15	Salama	F	OBC	H.wife	No	No	-	-	सालमा

