

Water Security Plan Report

Date : 29-09-2023 Time : 3:56 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: MAHENDRAGARH_69 »

BLOCK: NARNAUL_526 »

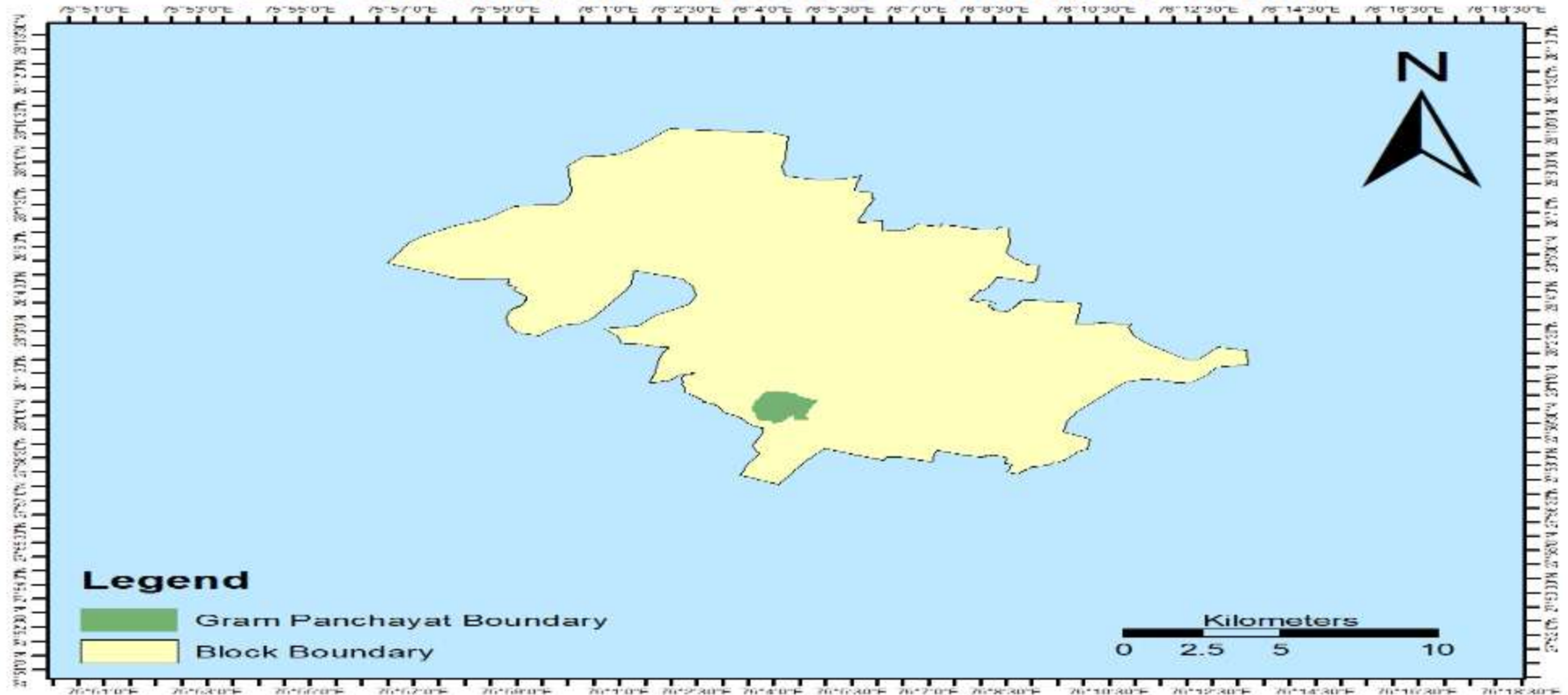
GRAM PANCHAYAT: TEHLA_31742 »

YEAR: 2023-24 »

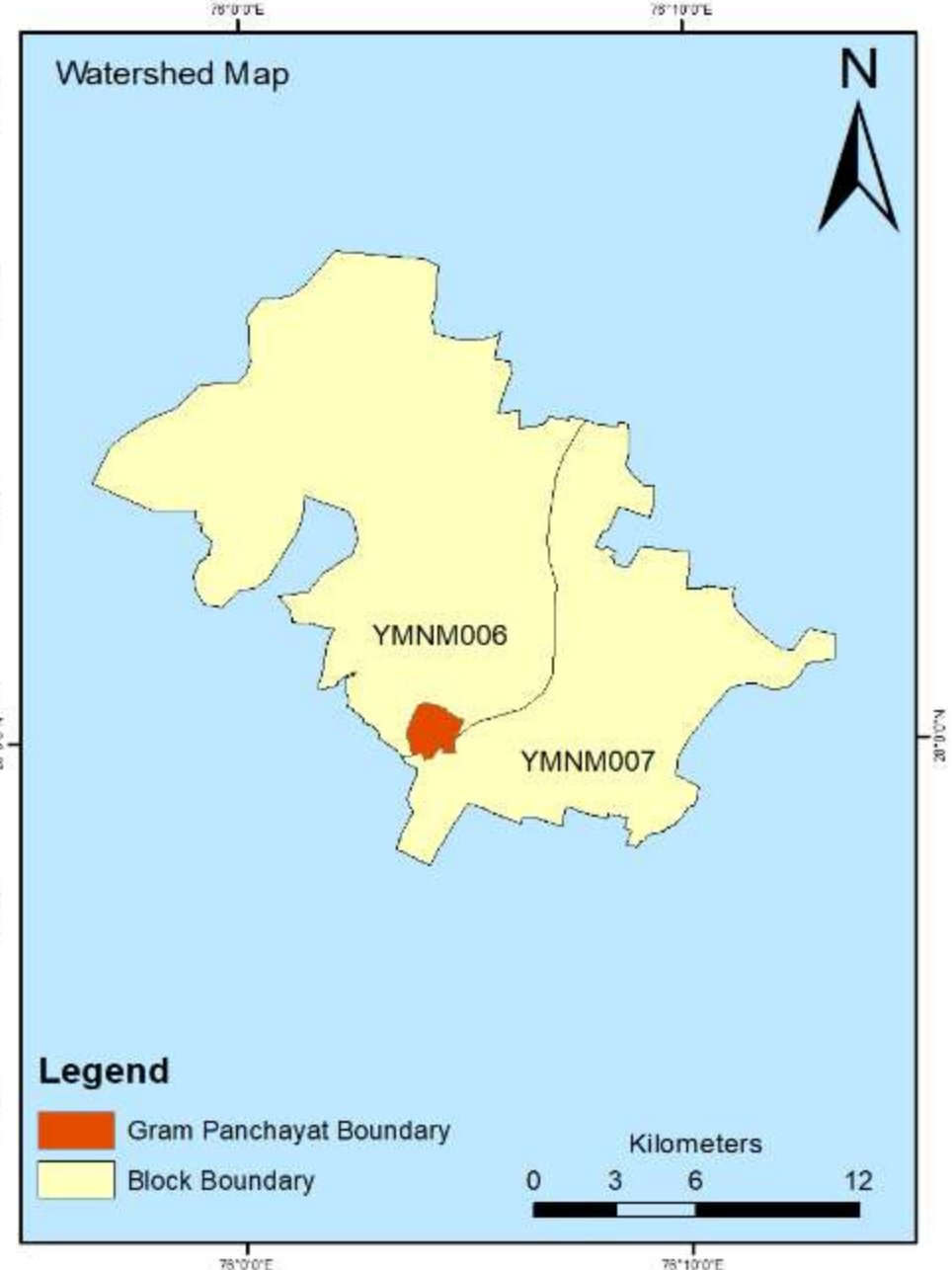
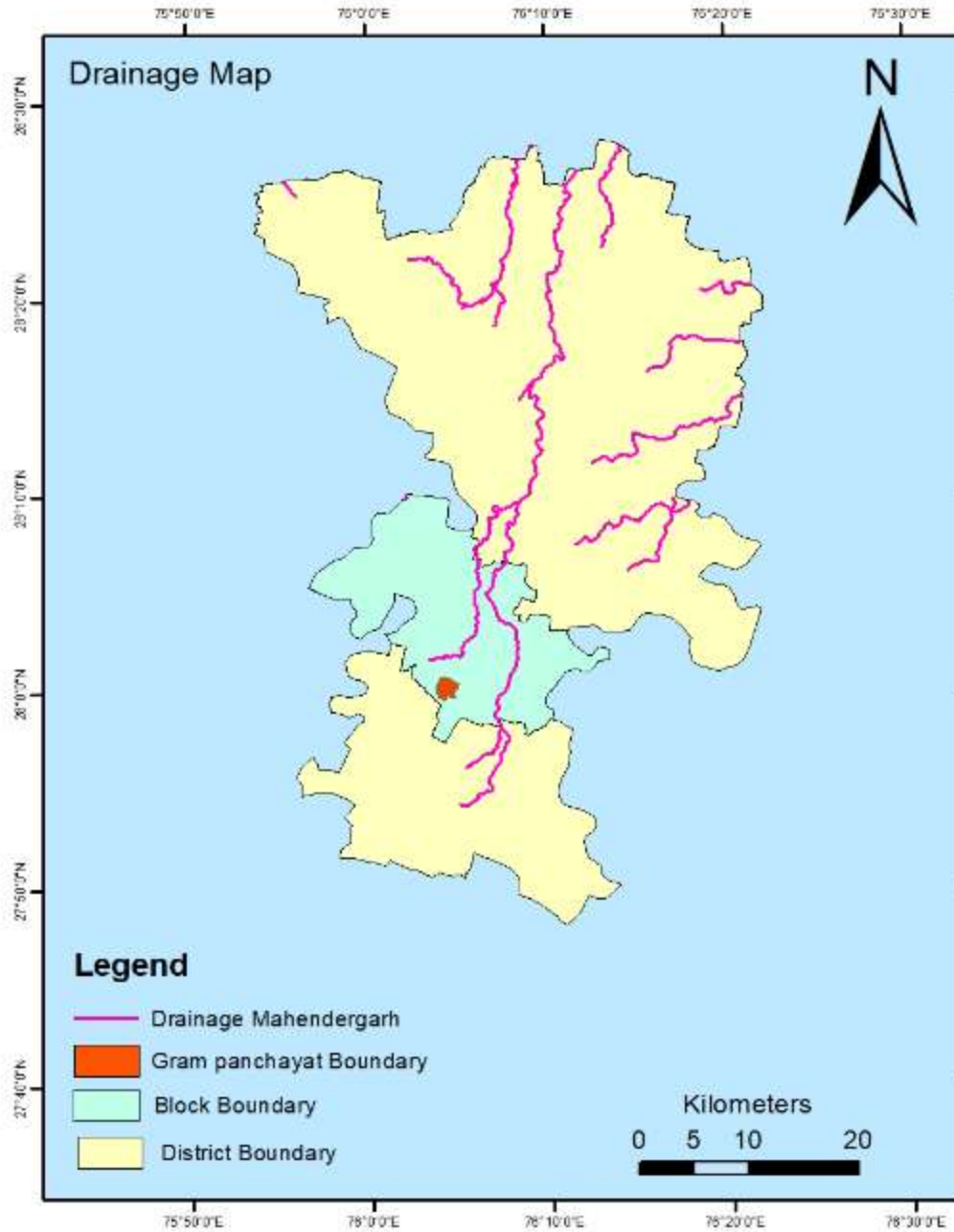
Gram Panchayat Information

State:	Haryana_6	District:	Mahendragarh_69
Block / Taluk :	Narnaul_526	GP Name :	Tehla_31742
GP ID :	31742	Block Area (Ha) :	21641.00
GP area (Ha) :	451.00	Watershed Code :	YMNM006
Watershed name :	Yamuna Middle Confluence with Chambal to Hindon	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

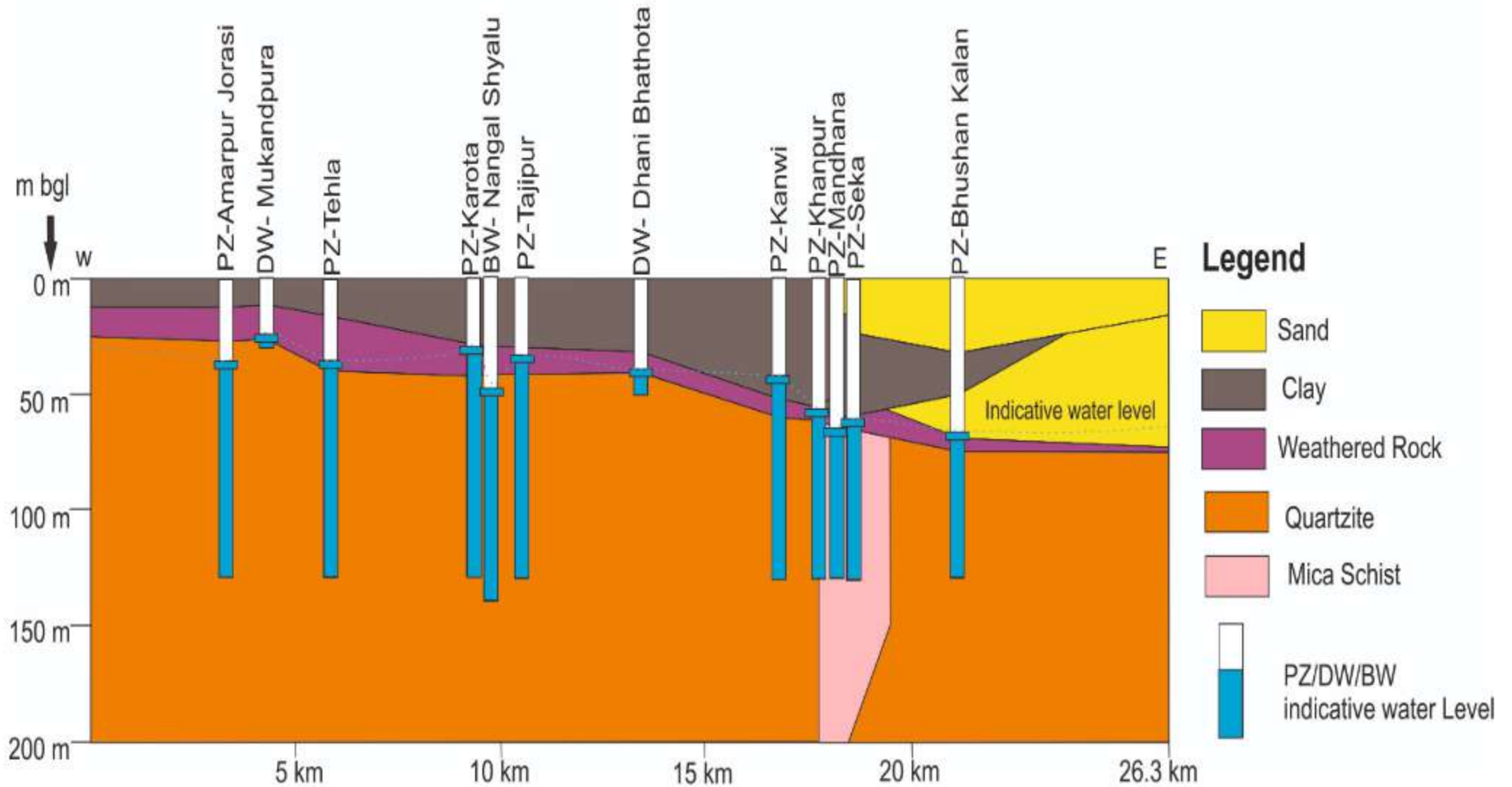
Location Map: Gram Panchayat Tehla



Gram Panchayat Tehla, Block Narnaul, District Mahendergarh



Conceptual Aquifer map: Village Tehla, 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	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32.7	28-04-23
	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32.5	25-05-23
	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32.45	23-06-23
	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32.31	24-07-23
	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32.65	22-03-23
	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32.05	21-08-23
	Tehla	Government middle school	27.99836	76.07614	10:13.9	031742-001	Piezometer	null	Government	SGWB	0.1	130	0.5	32	22-09-23

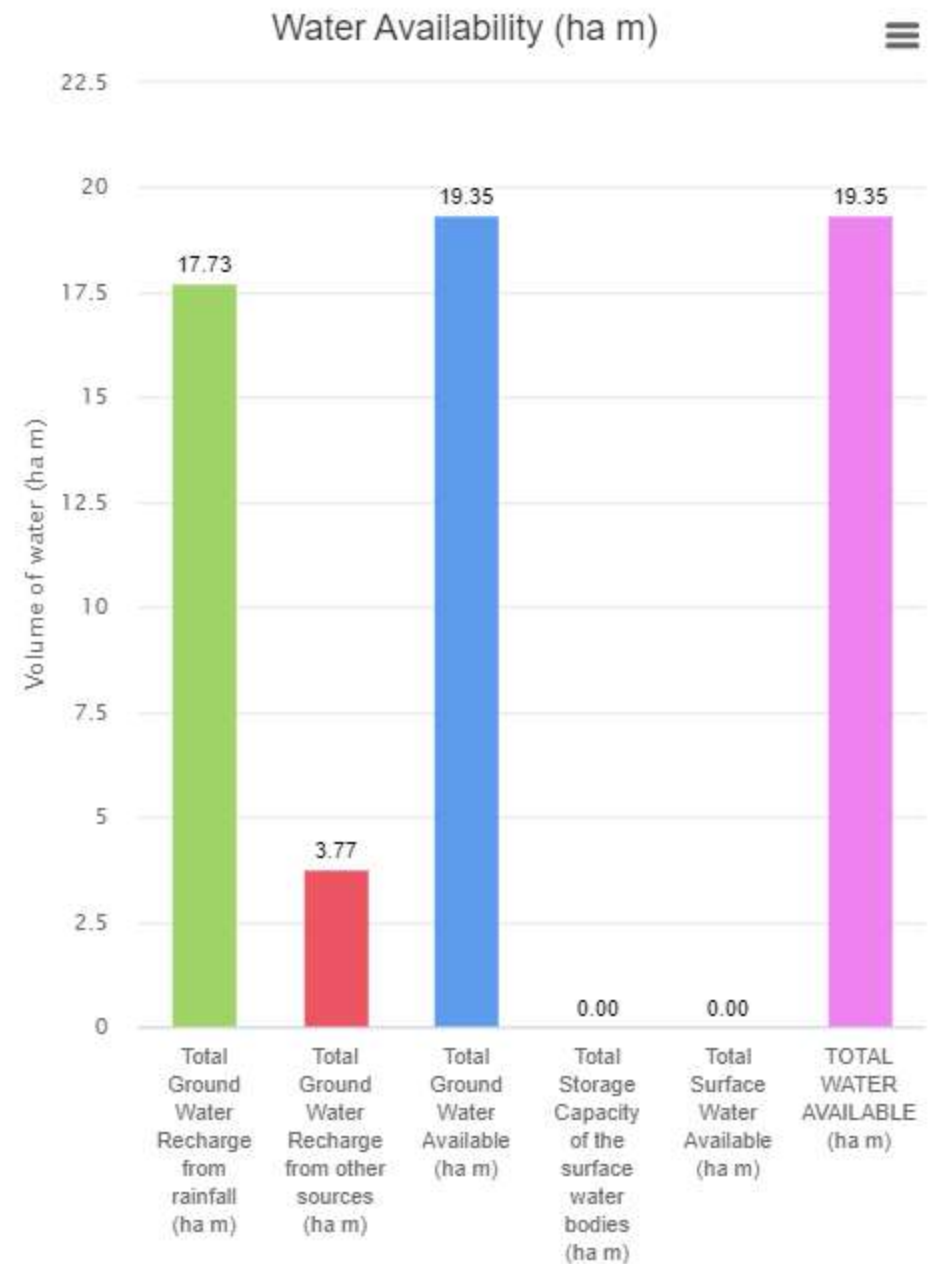
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	TEHLA	MADURAM	28.003775	76.067764	2022	Tube Well	I&WRD	T.W_HRY_M.GARH_NARNAUL_TEHLA_001
2	TEHLA	GOVERDHAN	28.002468	76.07045	2022	Tube Well	I&WRD	T.W_HRY_M.GARH_NARNAUL_TEHLA_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/L)
1	TW_HRY_M.GARH_NARNAUL_TEHLA_001	159.449997	UNCONFINED	7.4	1073	655	160	32	19.4	56	0.7	0	204	180	140	0.68
2	TW_HRY_M.GARH_NARNAUL_TEHLA_002	173.779999	UNCONFINED	7.8	1084	660	186	25	30.1	120	0.9	0	210	98	145	0.54

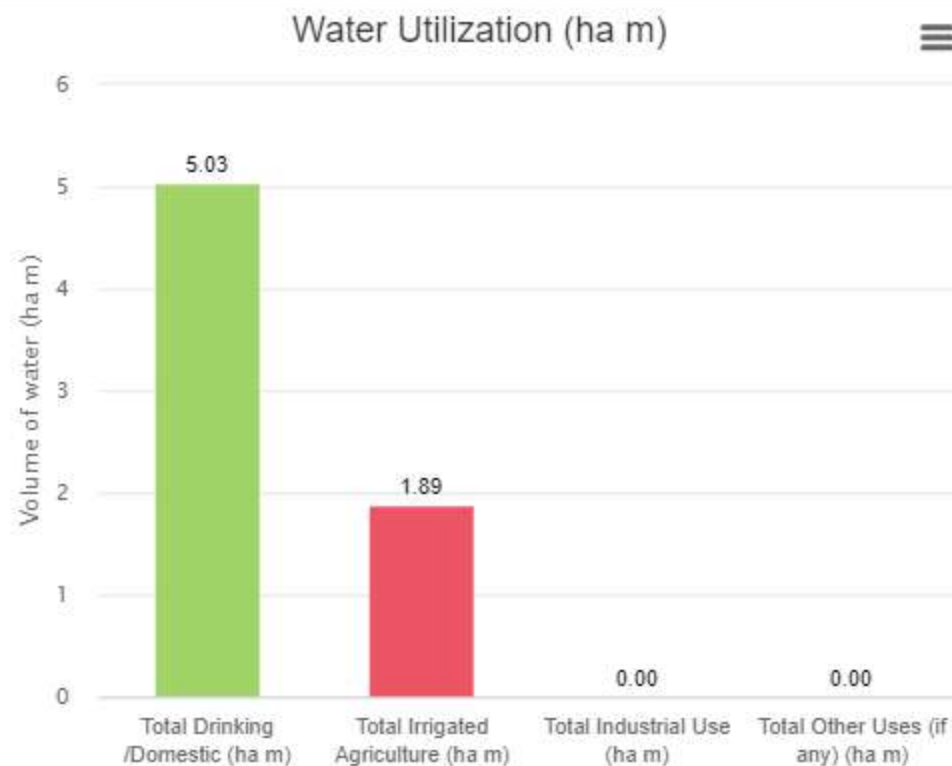
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	684.10
b.	Estimated Volume of Rainfall (ha m)	308.53
c.	Evapotranspiration rate (mm)	390.06
d.	Estimated Evapotranspiration losses (ha m)	175.92
e.	Estimated Water Available From Rainfall (ha m)	132.61
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	39.78
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	13.30
(ii)	Non-Monsoon	4.43
	Total Ground Water Recharge from rainfall (ha m)	17.73
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	1.46
(ii)	Non-Monsoon	2.31
	Total Ground Water Recharge from other sources (ha m)	3.77
c.	Losses Due to Natural Discharge (ha m)	
	Total Ground Water Available (ha m)	19.35
d.	Ground Water Withdrawal (ha m)	
		21.68
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)	0.00
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	19.35



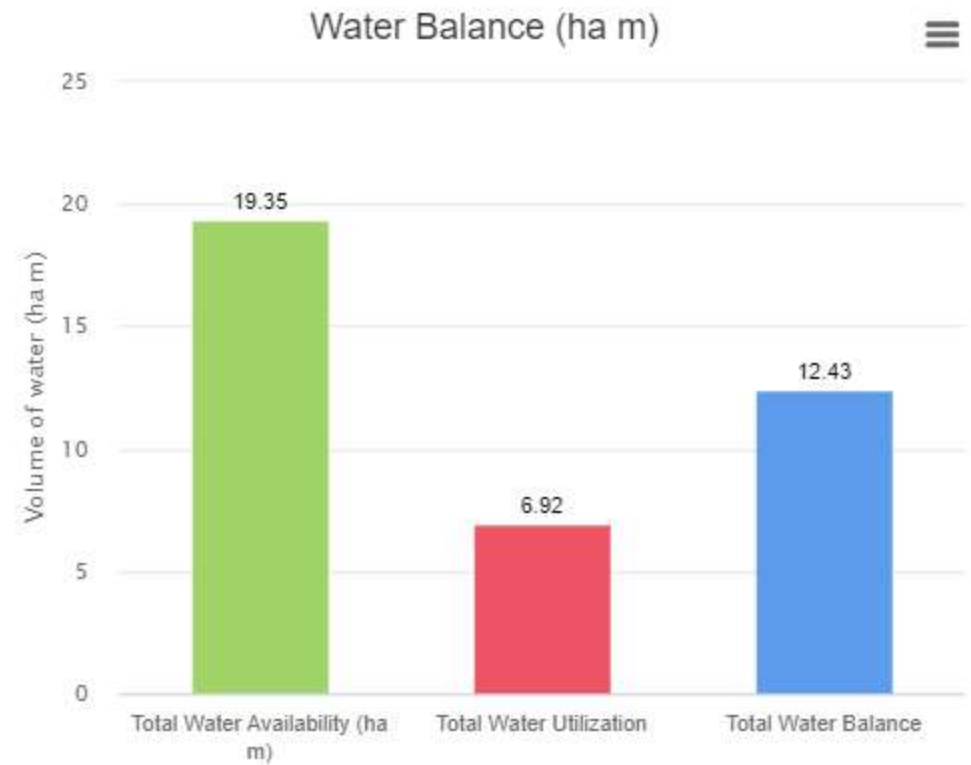
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	1.83
ii)	From Ground Water	3.20
	Total Drinking /Domestic (ha m)	5.03
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.53
ii)	From Ground Water	1.36
	Total Irrigated Agriculture (ha m)	1.89
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



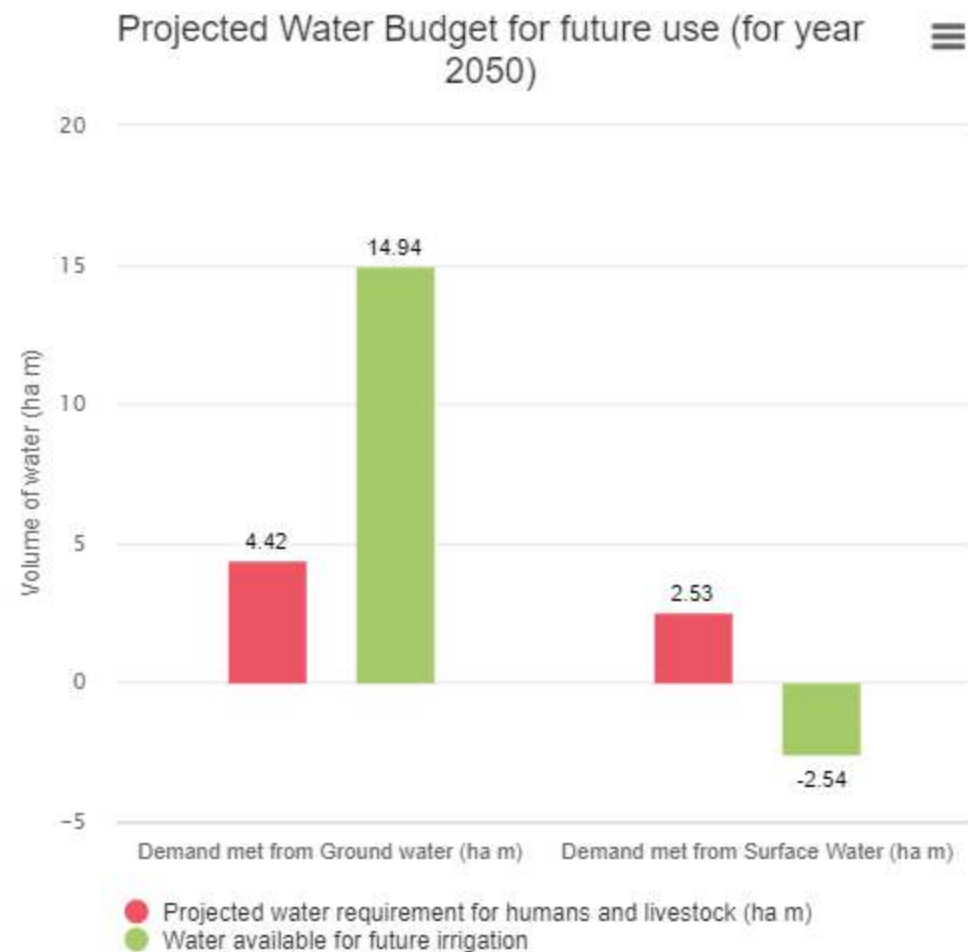
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	19.35
ii)	Total Surface Water Available	0.00
	Total Water Availability (ha m)	19.35
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	2.36
ii)	Total Ground Water Utilization	4.56
	Total Water Utilization	6.92
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	14.79
ii)	Total Surface Water Balance	-2.36
	Total Water Balance	12.43



Water Budget Report

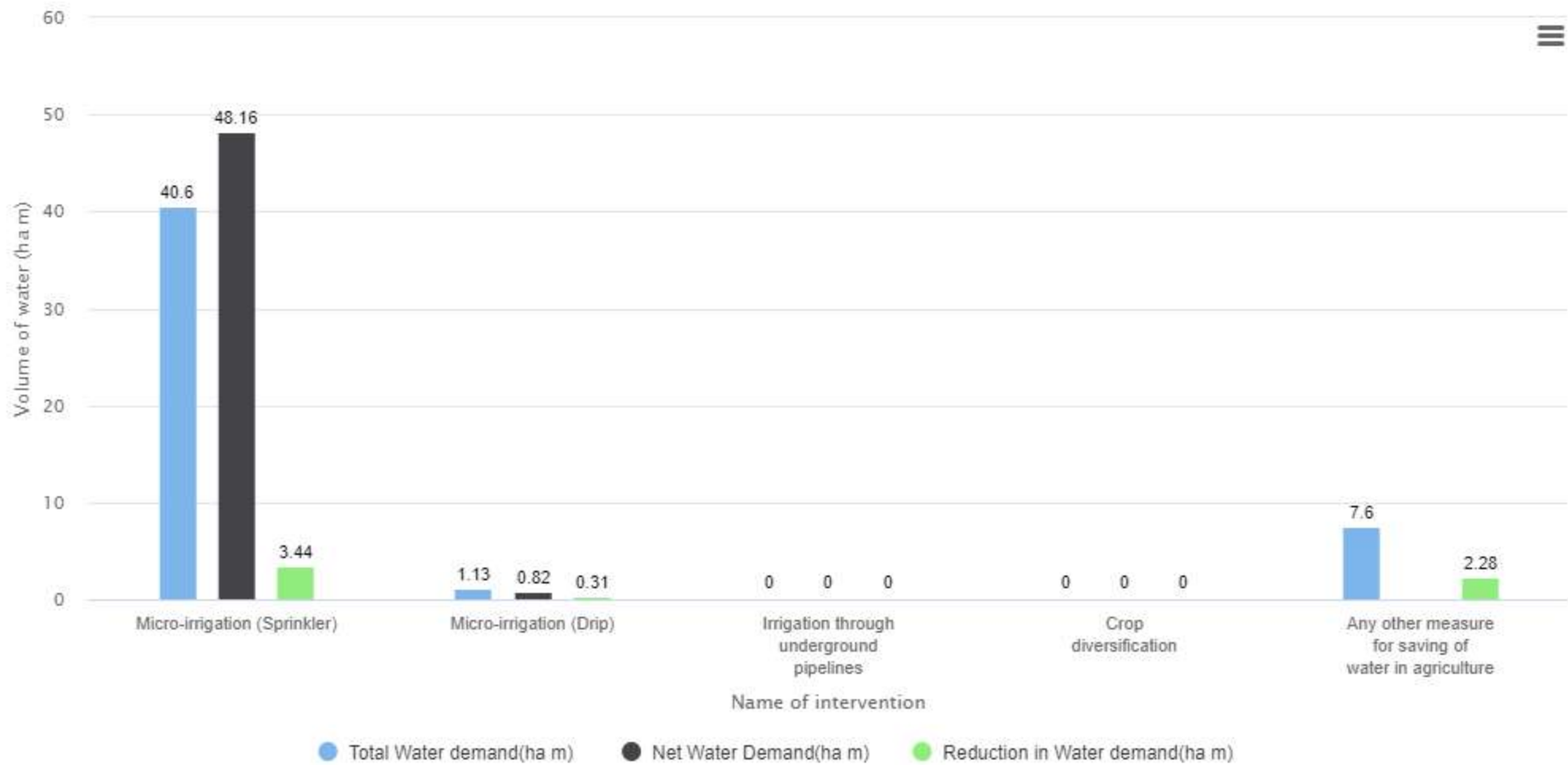
A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	1818.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	2539.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	5.10
II Livestock	
i) Present livestock population	328.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	439.00
v) Average per capita requirement (L)	115.61
vi) Projected water requirement for livestock (as in 2050) (ha m)	1.85
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)	6.95
i) Proposed share to be met from Ground water (in %)	63.61
ii) Proposed share to be met from Surface water (in %)	36.39
iii) Demand met from Ground water (ha m)	4.42
iv) Demand met from Surface water (ha m)	2.53
C Water available for future irrigation	
i) Ground Water	14.94
ii) Surface water	-2.54
iii) Total water available for future irrigation	12.40



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	30.00	40.60	48.16	3.44	7.47
2	Drip	2.00	1.13	0.82	0.31	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	19.00	7.60	--	2.28	0.71
	Total	51.00	49.33	48.98	6.03	10.13

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	Sprinkler	30	2023-24	MICADA	PMKSY	7.47
3	Other Measures	19	2023-24	Agriculture & Farmer Welfare Department	Other	0.7125
	Total	51				10.13



Supply Side

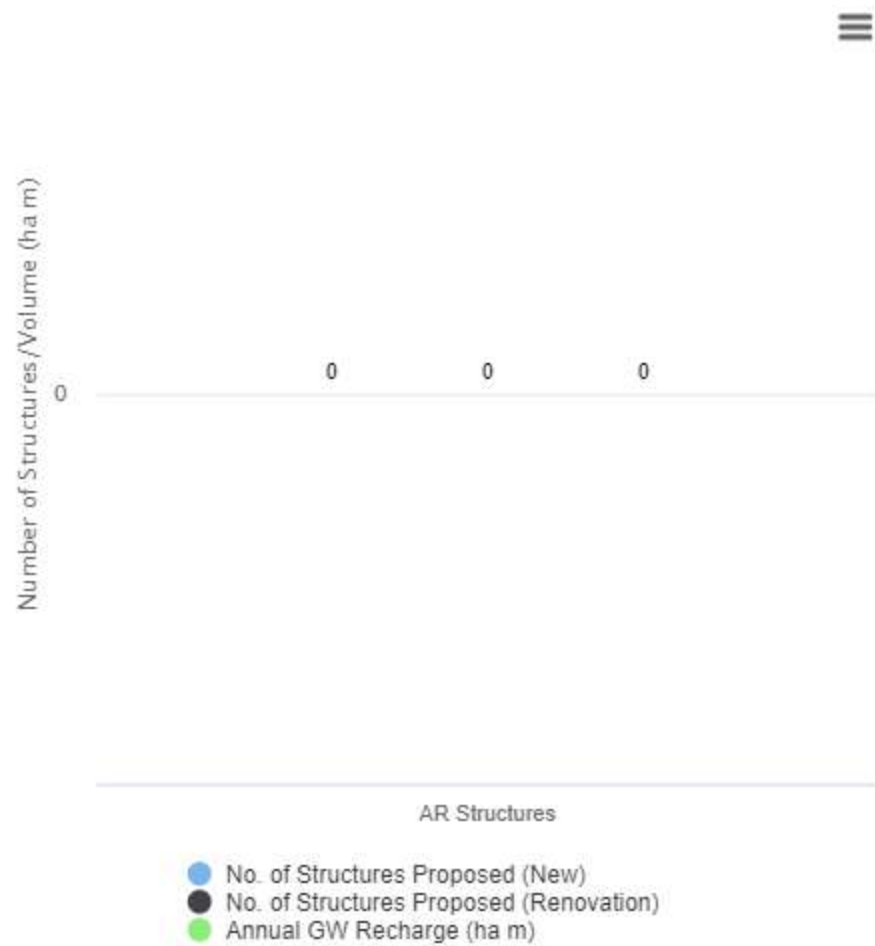
Supply Side (Artificial Recharge Structures)

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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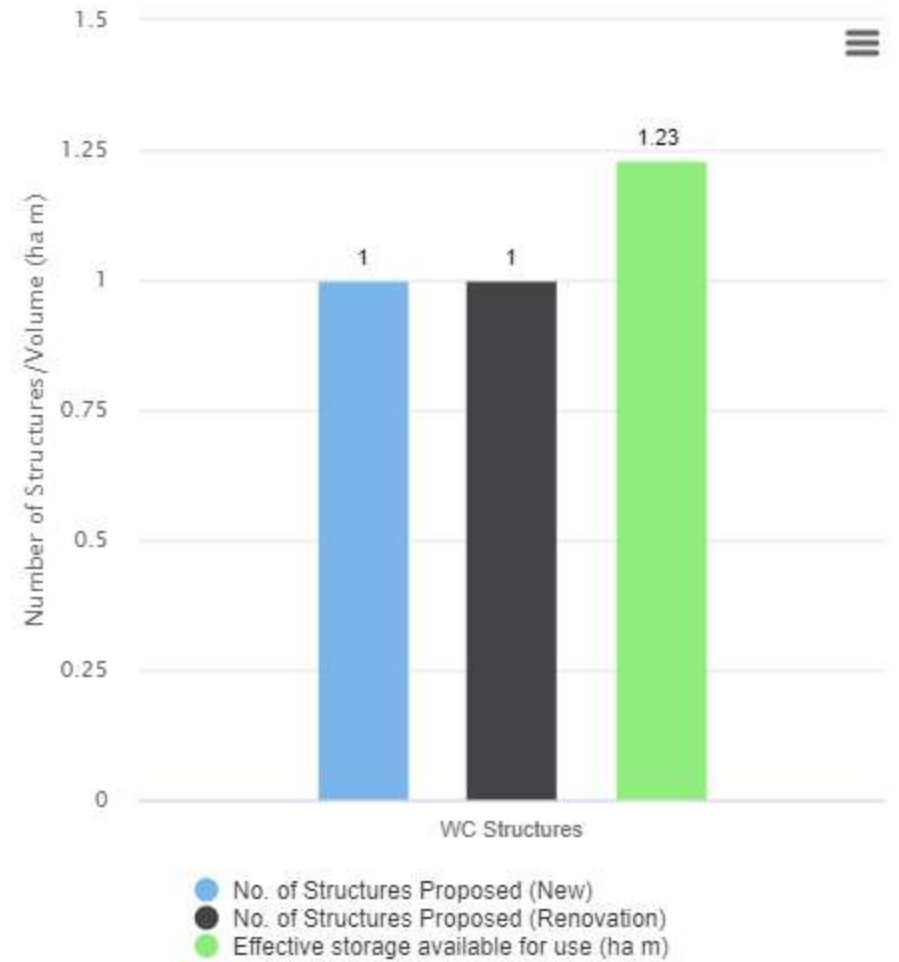
Supply Side (Water Conservation Structures)

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	Tehla(214)	29.998852	76.076045	2023-24	Rural Development Department	DPDC (District Planning and Development Council)	4.5
2	Pond/Amrit Sarovar(Renovation)	1.9	1.1400	Tehla(214)	29.998841	76.076074	2023-24	Rural Department and Panchayati Raj	MGNREGA	18.41
	Total	3.40	1.23							22.91

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	VIKRAM SINGH	Chairperson	Male	9518184442
2	MEENA DEVI	Member	Female	9817823874
3	KELA	Member	Female	7056672587
4	SUMAN	Member	Female	9466909345
5	SUNIL	Member	Male	9466994498
6	SAROJ	Member	Female	9466994498
7	INDRAMANI	Member	Female	9050053406
8	LALI	Member	Female	9728022346
9	RENU	Member	Female	9812807388
10	RAMKUWAR	Member	Male	9468342015
11	RAJESH	Member	Male	9817705084
12	SUBHASH	Member	Male	9728454530
13	RAMPHAL	Member	Male	8930255197
14	KHAJAN SINGH	Member (JE,Development & panchayat)	Male	9416282235
15	KRISHAN KUMAR	Member (Gram Sachiv)	Male	9728960619
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	Narnaul_526	Tehla_31742	2023-07-31	Tehla_31742	Tajpur(213)	Sarpanch Niwas	18	16	0	34

Photograph



Latitude: 28.000655
Longitude: 76.073887
Elevation: 337.55±11 m
Accuracy: 9.3 m
Time: 07-31-2023 01:07
Note: tehla

DPMU DECLARATION

I, Nitin Bhargava (Name), Executive Engineer
(Designation), authorized representative under District Program Management Unit (DPMU)
declare that the WSP of Tehla Gram Panchayat, Narnaul Block/Taluk
Mahendergarh 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 21/09/2023

Nitin-8
Executive Engineer
M/Garh Canal WIS Division
Narnaul

Prakash
G.W. expert

Prakash
Icc expert

Gw expert

MOM

दिनांक :- 31/07/23

गाँव :- टहला

जिला :- महेन्द्रगढ़

स्थान :- सरपंच निवास

ब्लॉक :- नारनौल

राज्य :- हरियाणा

आज दिनांक 31/07/23 को अटल भूजल योजना की कार्यान्वयन भागीदार टीम (DIP) के जनसंपर्क विशेषज्ञों (IEC) ने नारनौल ब्लॉक के टहला (Tehla) गाँव में अटल भूजल योजना की जन बैठक का आयोजन किया। इस जन बैठक में ग्राम पंचायत के सदस्यों व गाँव के वरिष्ठ नागरिक व आंगनवडी वकीर व गाँव की कुछ महिलाओं ने बहचकर भाग लिया। इस जन बैठक में गाँव की जल सुरक्षा योजना (WSP) बारे में बताया।

Tehla

Atal Bhu'ojana MOM Attendance Sheet, Mahendargrah, er-09

Page-1

Vill - Tehla (Tehla)

Block - Narnaul
 Distt - Malanergarh
 Phone no -
 Vmnuce - सरपंच निवास

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	Signature	
1	Bhupender	M	OBC	student	No	NO	No	9350275408	Bhupender
2	Lalit Kumar	M	OBC	student	No	NO	No	9306069506	Lalit
3	Dalip	M	OBC	Farmer	No	NO	7kila	9578698814	Dalip
4	Sonu	M	OBC	Student	No	NO	No	8901521085	Sonu
5	Madanlal	M	OBC	Driver	No	NO	No	8813812107	Madan Lal
6	Ashok	M	OBC	Shopkeeper	No	NO	No	9677393248	Ashok
7	Harisam	M	OBC	Farmer	No	NO	3kila	9677393248	Harisam
8	Rajkumar	M	OBC	Farmer	No	NO	No	9812783284	Rajkumar
9	Mahendra Singh	M	OBC	Farmer	No	NO	No	9817726121	Mahendra Singh
10	Bhagirat	M	OBC	Farmer	No	NO	2kila	9817726121	Bhagirat
11	Patnam	M	OBC	Farmer	No	NO	3kila	9996356271	Patnam
12	Rahul	M	OBC	student	No	NO	No	9729266181	Rahul
13	Mularam	M	S.C	Farmer	No	NO	1kila	8053242426	Mularam
14	Vikram	M	OBC	Sarkar	Yes	W.S.C	No	9518184442	Vikram
15	Deepchand	M	OBC	Job	No	NO	No	8708339161	Deepchand
16	Manju	F	O.B.C	Housewife	No	NO	No	9518184442	Manju
17	Shanti Devi	F	O.B.C	Housewife	No	NO	No	9518184442	Shanti Devi
	Manisha	F	O.B.C	Housewife	No	NO	No	9518184442	Manisha

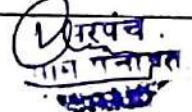
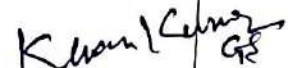
B

ANNEXURE III

RESOLUTION

Date: 31/7/23

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Tehla Gram Panchayat, Narhau Block/Taluk/Mandal, Mohark 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 31/07/2023.

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Vikram Singh. (Sarpanch).	 Vikram Singh Sarpanch
2	Gram Panchayat Secretary	Krishan Kumar (97289 60619)	 Krishan Kumar GR

प्रस्ताव (RESOLUTION)

दिनांक: 31/07/2023

गाँव:- तहला

जिला: महेन्द्रगढ़

स्थान: सरपंच निवास

ब्लॉक/खण्ड:- नारनौल

राज्य: हरियाणा

आज दिनांक 31/07/2023 को जल भुजल योजना की जिला कार्यान्वयन समिति ग्राम (DIP) के जनसंघ 'विशेषज्ञ' (IEC) ने नारनौल ब्लॉक के तहला (Tehla) गाँव में प्रस्ताव (Resolution) के लिए जल बैंक का आयोजन किया गया। उस जल बैंक में गाँव के कुछ वरिष्ठ किसान, महिलाएं एवं ग्राम जल स्वच्छता समिति (VWSC) के सदस्यों ने अपनी सहभागिता दिखाई। जल बैंक के प्रारम्भ में पिछली जल बैंकों का जिक्र करते हुए भुजल स्तर (Water Level) बढ़ने हेतु जो सुझाव गाँव वालों ने बताये, उनको गाँव की जल सुरक्षा योजना (WSP) में उल्लेखित प्रकार से है:-

- (1) गाँव के नहरों द्वारा जोड़े गये जोड़ों (Ponds) में बड़े रिचार्ज वॉर (Recharge Bore) बनवाये जायें। जिन रिचार्ज वॉरों की गहराई उस गाँव के जल (Underground water level) तक करवाई जायें।
- (2) गाँव के प्राथमिक/सरकारी स्कूल में रेनवॉटर हार्वेस्टिंग सिस्टम (Rainwater Harvesting) बनवाया जायें।
- (3) गाँव के कुछ जोड़ों (Ponds) की साफ-सफाई, दंडाई एवं उनका जिर्णोद्धार (Renovation) किया जायें।
- (4) गाँव के सुखे हुए जोड़ों (Ponds) को नहर से जुड़वाया जायें एवं प्रत्येक महीने उनमें नहरी पानी उलवाया/दुड़ाया जायें।

Tehla

Atal Bhu'ojana MOM Attendance Sheet, Mahendargrah, er-09

Page-1

Vill - Tehla (Tehla)

Block - Narnaul
 Distt - Malanergarh
 Phone no -
 Vmnuce - सरपंच निवास

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	Signature	
1	Bhupender	M	OBC	student	No	NO	No	9350275408	Bhupender
2	Lalit Kumar	M	OBC	student	No	NO	No	9306069506	Lalit
3	Dalip	M	OBC	Farmer	No	NO	7kila	9578698814	Dalip
4	Sonu	M	OBC	Student	No	NO	No	8901521085	Sonu
5	Madanlal	M	OBC	Driver	No	NO	No	8813812107	Madan Lal
6	Ashok	M	OBC	Shopkeeper	No	NO	No	9677393248	Ashok
7	Harisom	M	OBC	Farmer	No	NO	3kila	9677393248	Harisom
8	Rajkumar	M	OBC	Farmer	No	NO	No	9812783284	Rajkumar
9	Mahendra Singh	M	OBC	Farmer	No	NO	No	9817726121	Mahendra Singh
10	Bhagirat	M	OBC	Farmer	No	NO	2kila	9817726121	Bhagirat
11	Patnam	M	OBC	Farmer	No	NO	3kila	9996356271	Patnam
12	Rahul	M	OBC	student	No	NO	No	9729266181	Rahul
13	Mularam	M	S.C	Farmer	No	NO	1kila	8053242426	Mularam
14	Vikram	M	OBC	Sarkar	Yes	W.S.C	No	9518184442	Vikram
15	Deepchand	M	OBC	Job	No	NO	No	8708339161	Deepchand
16	Manju	F	O.B.C	Housewife	No	NO	No	9518184442	Manju
17	Shanti Devi	F	O.B.C	Housewife	No	NO	No	9518184442	Shanti Devi
	Manisha	F	O.B.C	Housewife	No	NO	No	9518184442	Manisha

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