

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 11:56 AM User Name : SPMU_Haryana_6

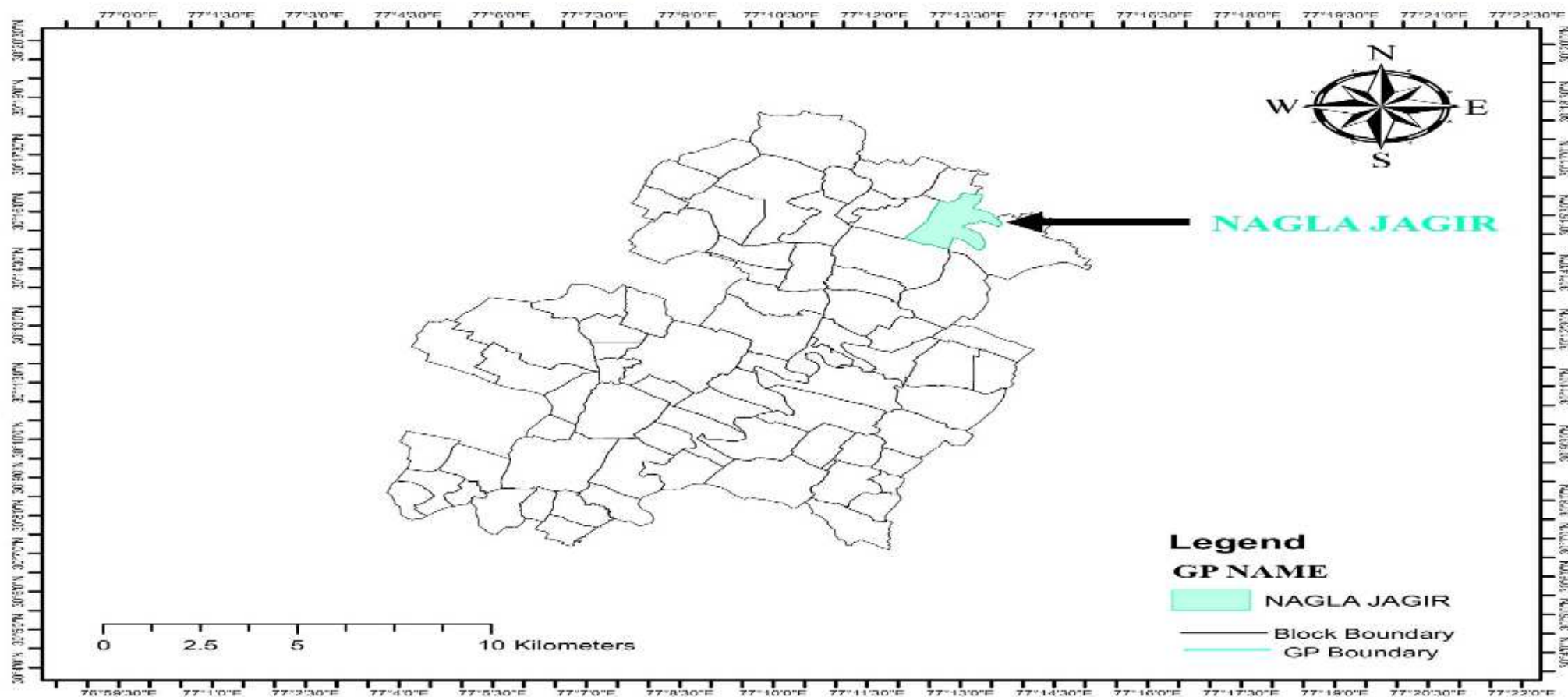
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: NAGLA JAGIR_33461 » YEAR: 2024-25 »

Gram Panchayat Information

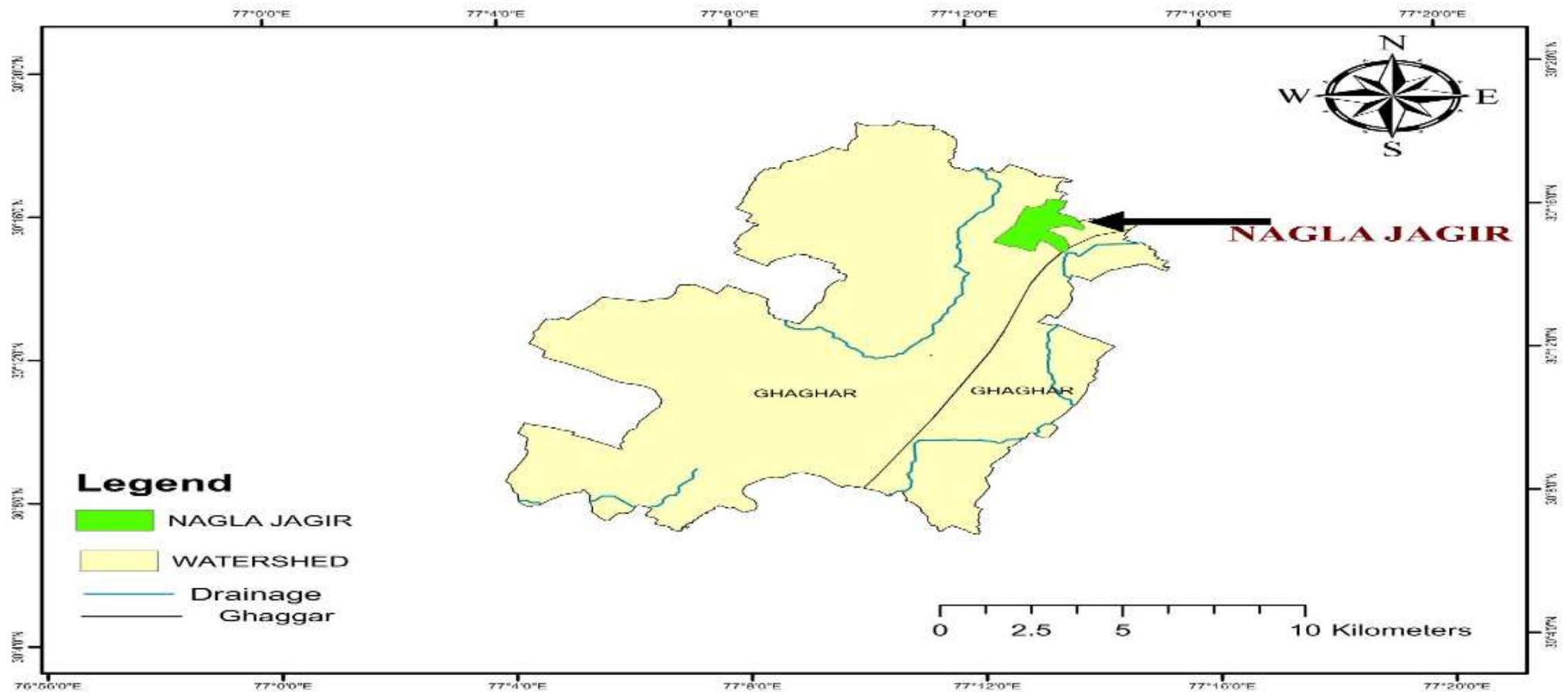
State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Nagla Jagir_33461
GP ID :	33461	Block Area (Ha) :	20267.2000
GP area (Ha) :	348.0000	Watershed Code :	GHGR003
Watershed name :	Saraswati	Watershed area in Block / Taluk (Ha) :	240587.09
Sub-basin Code :	1	Sub basin name :	Ghaghar and Others
Basin Code :	11	Basin Name :	Ghaghar

Location Map

Location Map : GP Nagla Jagir, Block Saraswati Nagar, District Yamunanagar

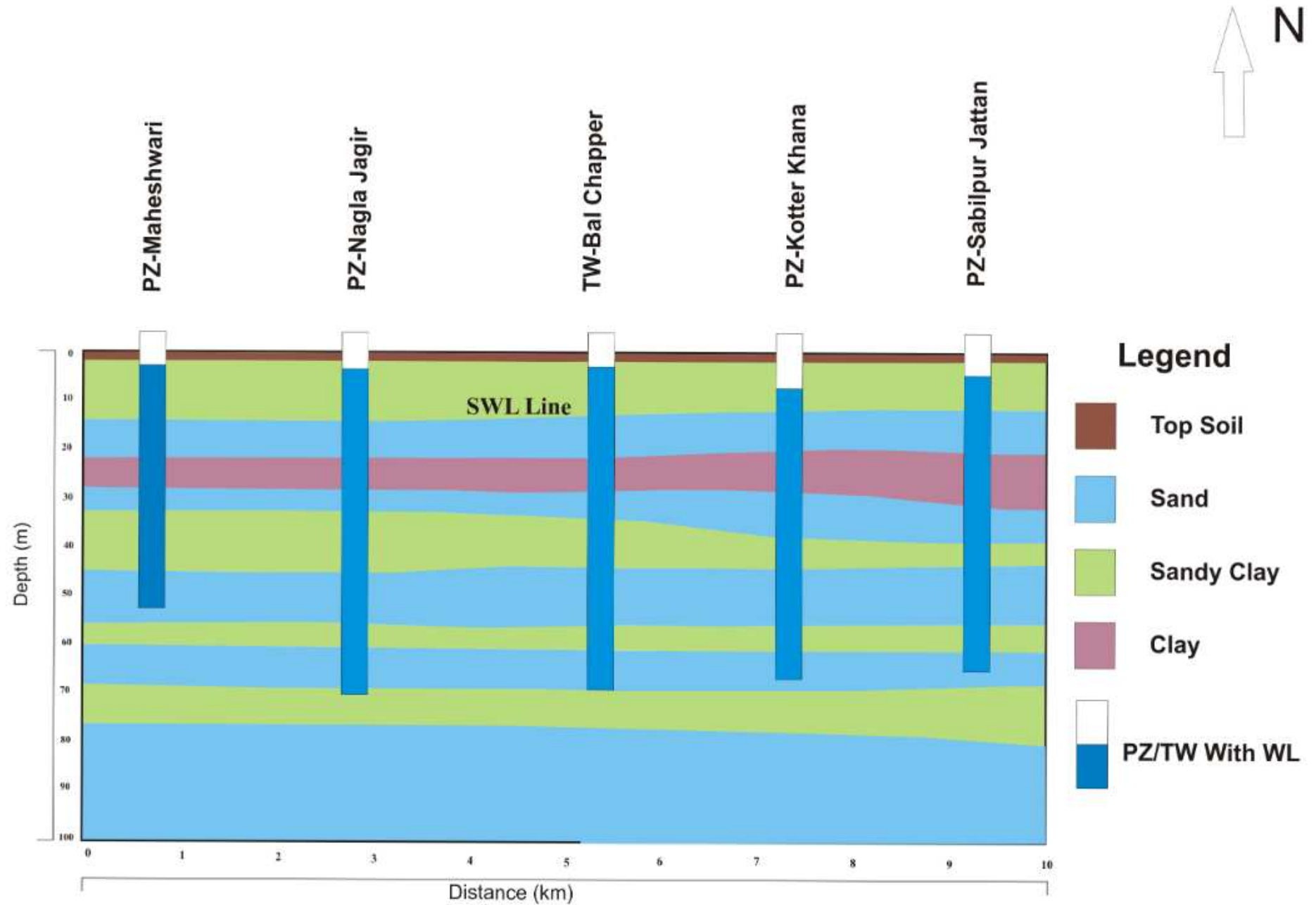


Watershed & Drainage Map : GP Nagla Jagir, Block Saraswati Nagar, District Yamunanagar



Aquifer Map

Aquifer Map of Maheshwari, Nagla Jagir, Bal Chapper , Kotter Khana, Sabilpur Jattan of Saraswati Nagar block of district Yamunanagar



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	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	29.95	2024-02-14
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	30.20	2024-01-22
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	30.40	2023-12-25
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	30.60	2023-11-29
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	31.92	2023-10-29
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	31.81	2023-09-29
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	31.9	2023-08-31
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	32.2	2023-07-30
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	33.8	2023-06-30
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	32.9	2023-05-24
	Nagla jagir	Farmer tubel	30.26396	77.21937	2023-04-13	033461-001	Tube Well		Private		0.25	85.00	0.45	32.2	2023-04-13
2	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	26.10	2024-02-16
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	30.61	2024-01-22
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	30.45	2023-12-20

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
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	32.22	2023-10-29
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	32.13	2023-09-29
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	32.30	2023-08-29
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	29.60	2023-07-29
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	35.9	2023-06-30
	Nagla jagir	Gp school	30.263	77.22163	2023-05-24	033461-002	Piezometer		Government	SGWB	0.1000	71.00	0.50	34.6	2023-05-24
3	Nagla jagir	Gurudwara	30.26049	77.21819	2024-01-12	628909-003	Bore Well		Private		0.1500	70.00	0.50	27.81	2024-02-14
	Nagla jagir	Gurudwara	30.26049	77.21819	2024-01-12	628909-003	Bore Well		Private		0.1500	70.00	0.50	27.90	2024-01-22

Ground Water Quality

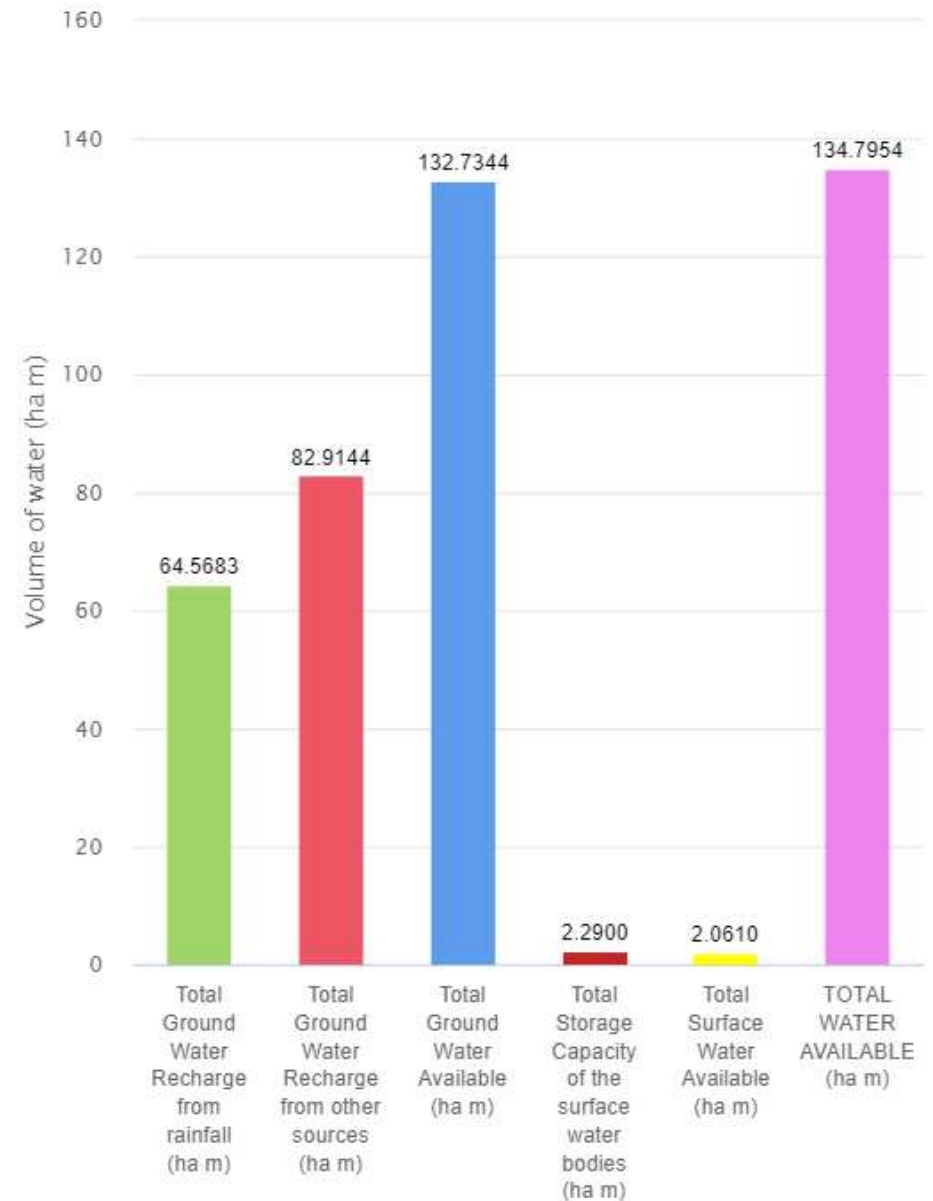
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Nagla JAGIR	Nagla JAGIR	30.259323	77.223824	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Nagla jagir _001
2	Nagla JAGIR	Nagla JAGIR	30.2654	77.220367	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Nagla jagir _002

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)	Nitr ate (mg/L)
1	ABY_YMR_S NAGAR_ Nagla jagir _001	80	UNCONFINED	7.5	670	408	172	32	22.4	32	0.6	0	205	26	46	0.45	4.96
2	ABY_YMR_S NAGAR_ Nagla jagir _002	70	UNCONFINED	7.2	1559	951	310	59	39.5	112	1.6	0	342	121	196	0.63	10.5

Water Availability Report

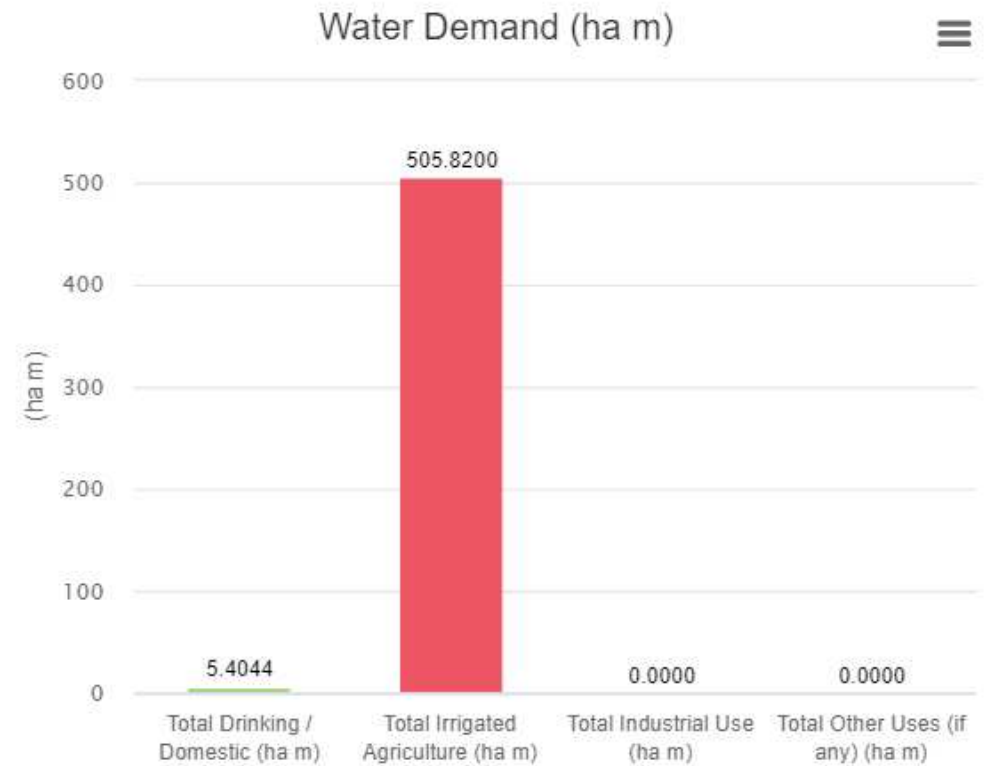
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	621.4375
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	156.5130
e.	Estimated Water Available From Rainfall (ha m)	464.9245
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	139.4774
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	51.7707
(ii)	Non-Monsoon	12.7976
	Total Ground Water Recharge from rainfall (ha m)	64.5683
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	47.9968
(ii)	Non-Monsoon	34.9176
	Total Ground Water Recharge from other sources (ha m)	82.9144
c.	Losses Due to Natural Discharge (ha m)	14.7483
	Total Ground Water Available (ha m)	132.7344
d.	Ground Water Withdrawal (ha m)	267.6467
3.	Surface Water	
a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structure	No. of Structures	Storage Capacity (ha m)
Ponds	2	2.29
	Total Storage Capacity of the surface water bodies (ha m)	2.2900
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	2.0610
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	2.0610
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	134.7954

Water Availability (ha m)



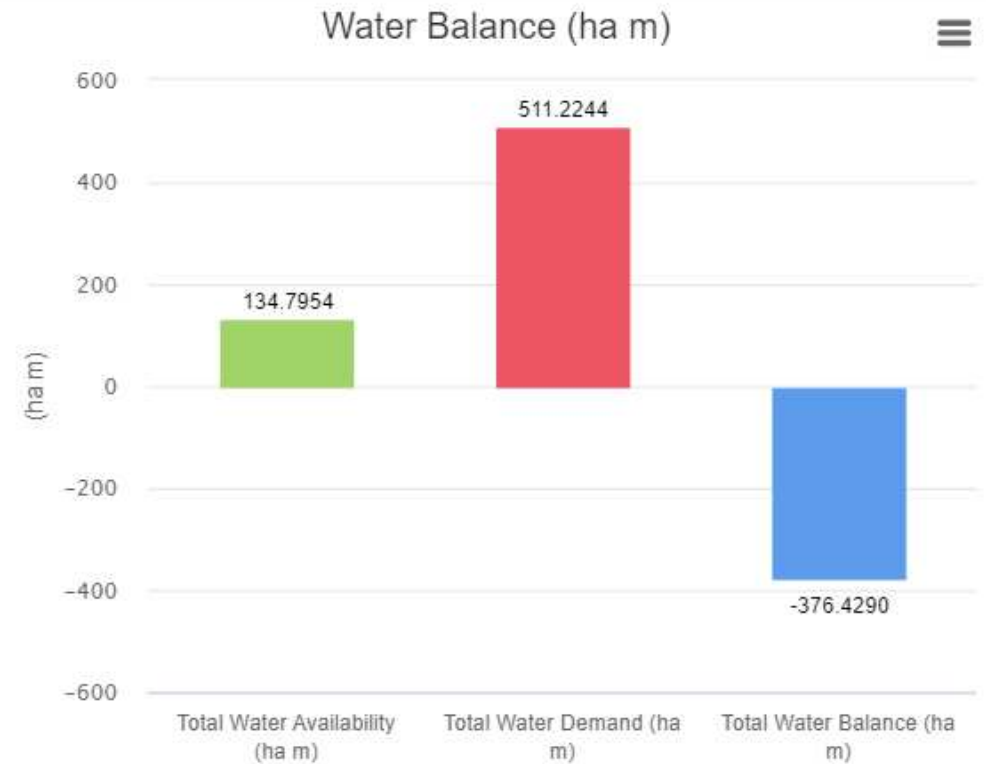
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1964
ii)	From Ground Water	5.2080
	Total Drinking /Domestic (ha m)	5.4044
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	505.8200
	Total Irrigated Agriculture (ha m)	505.8200
C	Industrial Use (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	Total Industrial Use (ha m)	0.0000
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

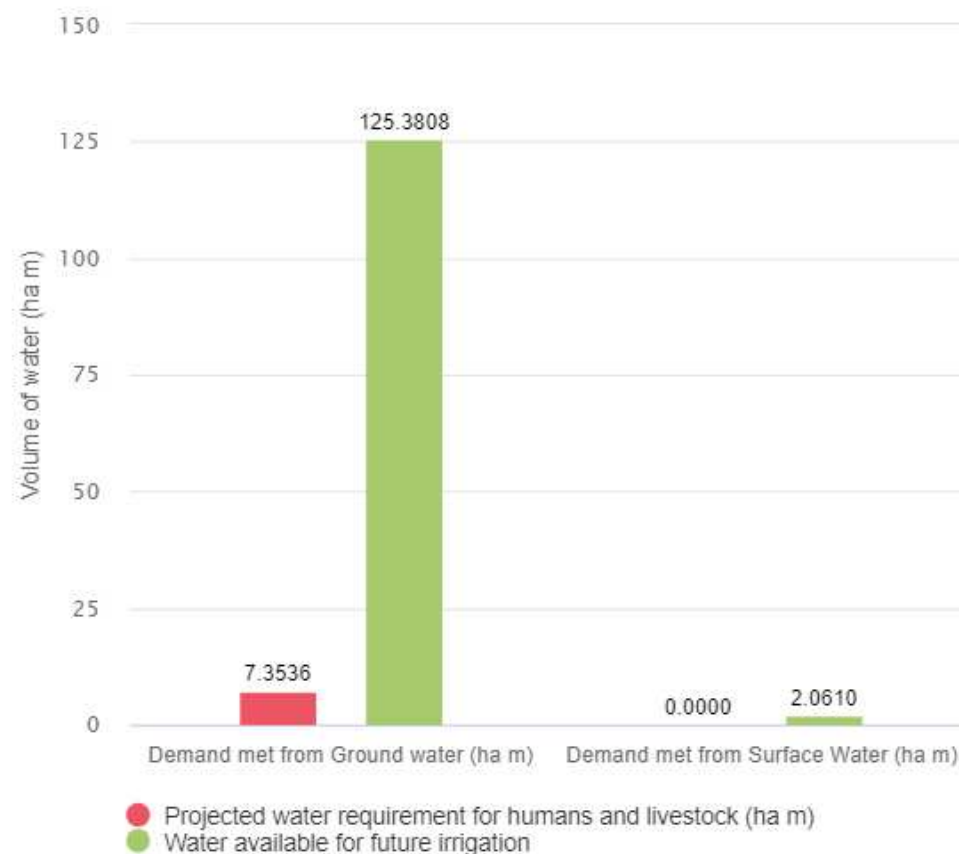
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	132.7344
ii)	Total Surface Water Available	2.0610
	Total Water Availability (ha m)	134.7954
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1964
ii)	Total Ground Water Demand	511.0280
	Total Water Demand	511.2244
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-378.2936
ii)	Total Surface Water Balance	1.8646
	Total Water Balance	-376.4290



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	1716.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	2368.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	4.7538
II Livestock	
i) Present livestock population	405.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	536.0000
v) Average per capita requirement (L)	132.8889
vi) Projected water requirement for livestock (as in 2050) (ha m)	2.5998
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)	7.3536
i) Proposed share to be met from Ground water (in %)	100.0000
ii) Proposed share to be met from Surface water (in %)	
iii) Demand met from Ground water (ha m)	7.3536
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	125.3808
ii) Surface water	2.0610
iii) Total water available for future irrigation	127.4418

Projected Water Budget for future use (for year 2050)

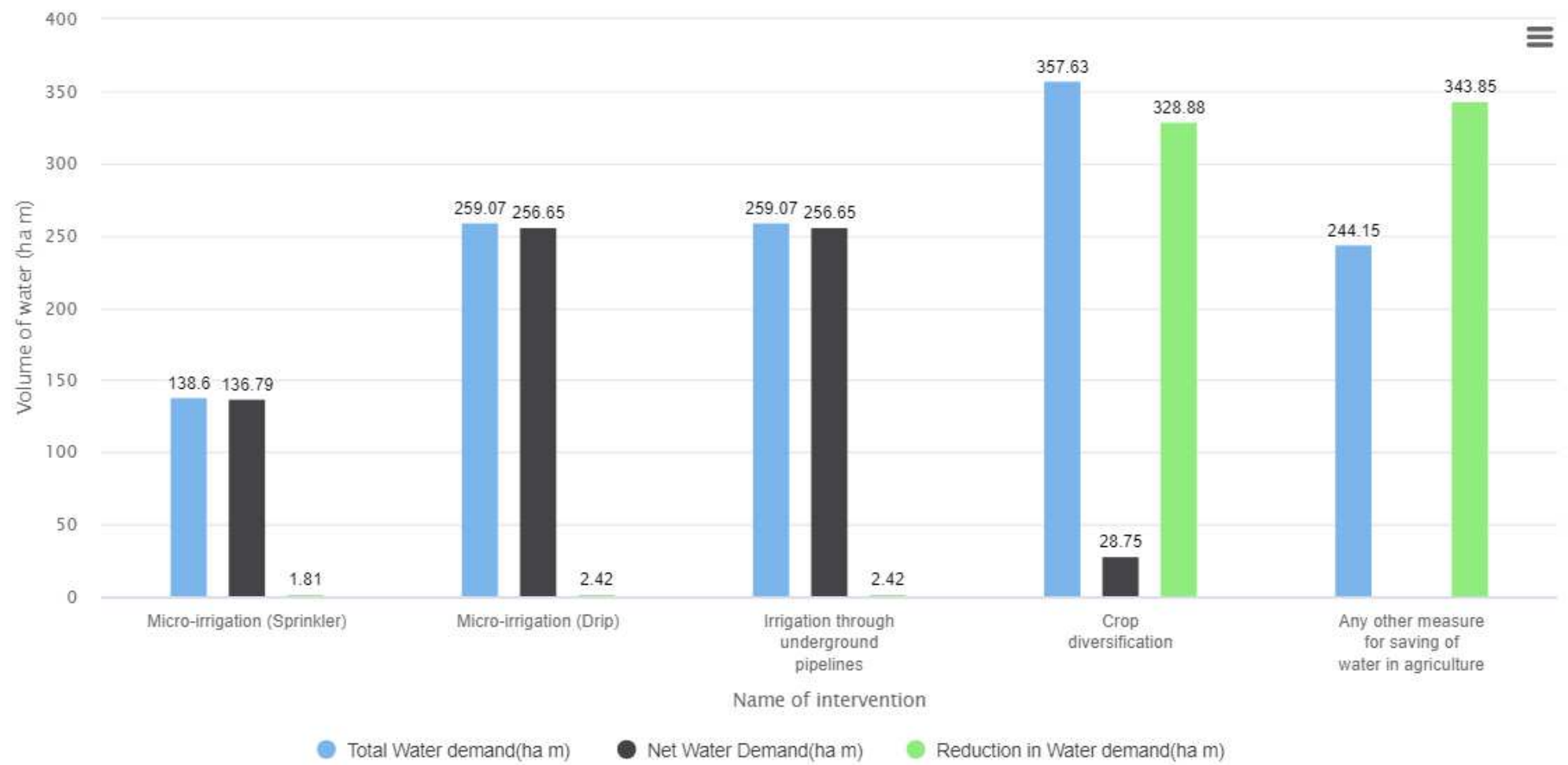


Demand Side

Total Area under Conventional Irrigation (ha) : 561.95

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	11.0000	138.6000	136.7900	1.8100	12.3200
2	Drip	11.0000	259.0700	256.6500	2.4200	16.8300
3	Pipelines	11.0000	259.0700	256.6500	2.4200	2.7500
4	Crop Diversification	58	357.6300	28.7500	328.8800	10.0300
5	Other Measures	264.0000	244.1500	--	343.8500	13.8880
	Total	355.0000	1258.5200	678.8400	679.3800	55.8180

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	104	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	3.848
2	Drip	11	2024-25	MICADA	PMKSY(Per Drop More Crop)	16.83
3	Sprinkler	11	2024-25	MICADA	PMKSY(Per Drop More Crop)	12.32
4	UG Pipelines	11	2024-25	Agriculture & Farmer Welfare Department	Other	2.75
5	Other Measures	2	2024-25	Department of Horticulture	Other	0.32
6	Crop Diversification	18	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.11
7	Crop Diversification	40	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	6.92
8	Other Measures	77	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	7.7
9	Other Measures	81	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	2.02
	Total	355				55.8180

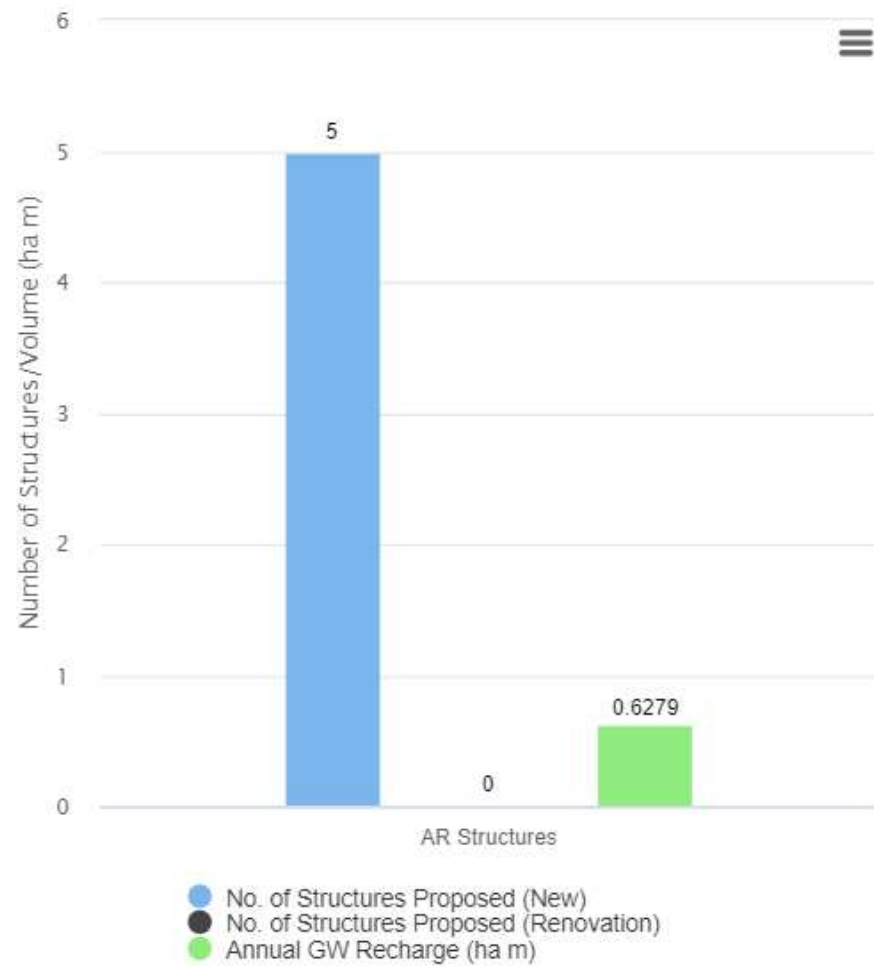


Supply Side

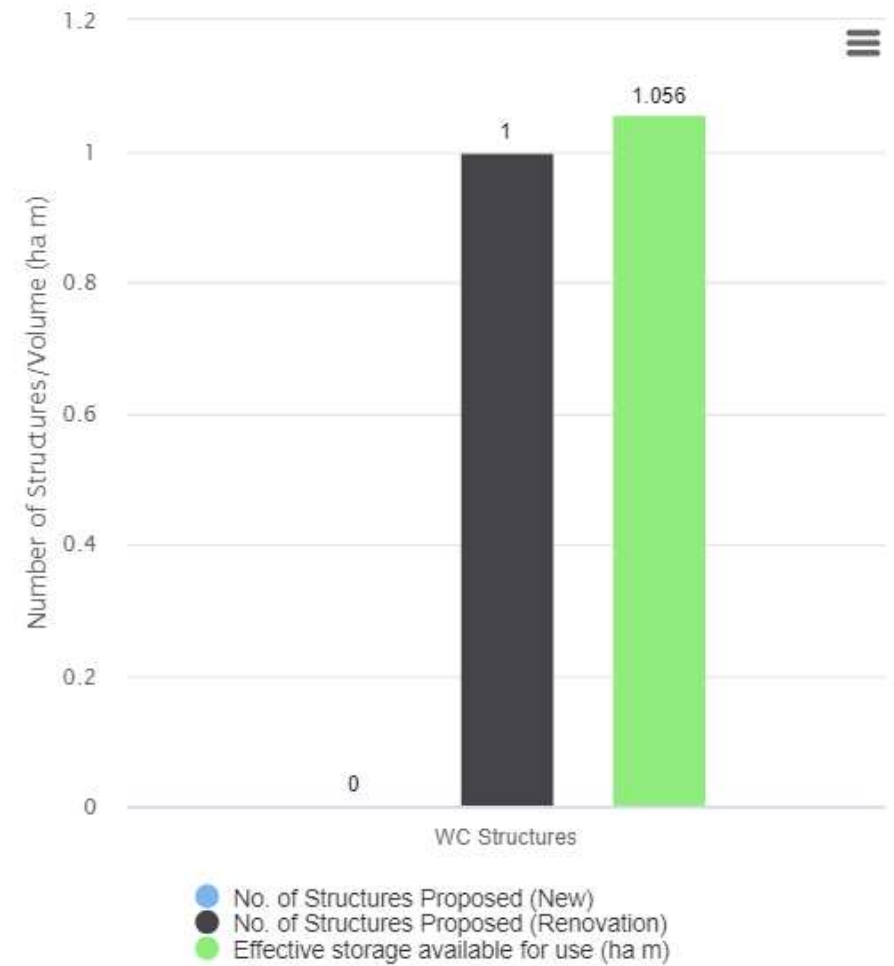
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Nagla Jagir (364)	30.2603	77.2189	2024-25	Rural Development Department	MGNREGA	0.62
2	Injection Wells/ Recharge Wells(New)	0.0023	0.006900	Nagla Jagir (364)	30.2626	77.2214	2024-25	Irrigation & Water Resource Development	Departmental Scheme	4.5
3	roof top rain water harvesting system(New)	0.0061	0.018300	Nagla Jagir (364)	30.263	77.2215	2024-25	Department of Education	CSR	4.5
4	Check Dam (New)	0.2	0.300	Nagla Jagir (364)	30.260662	77.227695	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
5	Check Dam (New)	0.2	0.300	Nagla Jagir (364)	30.258721	77.227223	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
	Total	0.4102	0.6279							17.6200

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	Pond/Amrit Sarovar(Renovation)	1.76	1.056	Nagla Jagir (364)	30.2626	77.2183	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	24.56
	Total	1.7600	1.0560							24.5600

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	AEKU SONI	MEMBER	Female	9350397238
2	RAVI KUMAR	MEMBER	Male	9050632460
3	PARAMJEET	MEMBER	Female	8053742367
4	PARVINDER SINGH	MEMBER	Male	9991767594
5	MOHAN	MEMBER	Male	9991748422
6	SATISH KUMAR	MEMBER	Male	8228442956
7	AMAR NATH	MEMBER	Male	9053833193
8	RAJ KUMAR	JE	Male	9729203036
9	NAGPAL	CHAIRPERSON	Male	9813154001
10	USHA DEVI	MEMBER	Female	9729162785
11	USHA DEVI	MEMBER	Female	8168991282
12	ROHIT KUMAR	MEMBER	Male	8930901743
13	PHOOL SINGH	MEMBER	Male	9813172995
14	NARINDER	MEMBER	Male	9813629895
15	JASWINDER	GRAM SACHIV	Male	9050363481
16	KAMAL BAKSHI	JE PHED	Male	8761913142

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	Yamunanagar_76	Saraswati Nagar_563	Nagla Jagir_33461	2024-01-29	Nagla Jagir_33461	Nagla Jagir (364)	gp schoool	10	13	0	23

Photograph



Nagla Jagir, Haryana, India
767C+394, Nagla Jagir, Haryana 133103, India
Lat 30.26317°
Long 77.220845°
29/01/24 04:53 PM GMT +05:30

DPMU DECLARATION

I, Surinder Kumar (Name), Executive Engineer, HKB Division No. 1 (Designation), authorized representative under District Program Management Unit (DPMU) declare that the WSP of Nagla Jagir Gram Panchayat, Saraswati Nagar Block Yamuna Nagar 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

EXECUTIVE ENGINEER
HKB Division No. 1
Jagadhri


IEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR


Tarveen Kumar
Gr. Wt. DPMU

Minutes of Meeting

Village Name: Nagla Jagir Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: G.P. School

Lat. No. 30.26317°

Long No. 77.220845°

Date: 29/01/2024

Agenda of Meeting: Discuss with members about the ATAL BHUJAL YOJNA.

अटल भूजल योजना के अंतर्गत आज दिनांक 29/01/24 को ग्राम पंचायत नगला जागीर में सम्पन्न श्री. श्रीमती नागपाल की अध्यक्षता में ग्राम पंचायत जल एवं स्वच्छता समीति की बैठक का आयोजन किया गया। मीटिंग में सम्पन्न किसान और ग्रामीणों ने ग्राम में इस बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई।

1. ग्राम पंचायत में पीडिड का पुनर्निर्माण किया जाये।
 2. बिजली के खंभों में त्रिप और पुंवरें सिंकाई बिंदु लगायी जायें।
 3. ग्राम पंचायत में स्कूल या धर्मशाला में रीफिल पिट व KATCH बनाये जायें।
 4. खेती में DSH बिंदु से जल की गुंवाई की व्यवस्था की जायें।
 5. खेती में फासल अवरोध उपजान की व्यवस्था की जायें।
- उपरोक्त कार्यों की जल सुरक्षा योजना में प्रति किया गया और में समी कराये जायें। इन सभी कार्यों की लिखित ग्राम पंचायत जल एवं स्वच्छता समीति की बैठक में समी सदस्यों की सहमति से उद्घाटन करित किया गया।

ANNEXURE III

RESOLUTION

Date: 29/1/2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat Nagla Jagir Block/Taluka/Mandal Saraswati nagar District Yamunanagar State Haryana 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 29/01/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>Nagpal</u>	<u>Nagpal</u> ग्राम पंचायत, नगला जगीर हनुमन्तगढ़ (यमुना नगर)
2	Gram Panchayat Secretary	<u>Jasvinder Singh</u>	<u>J.S.</u>

ATTENDANCE SHEET

Gram Panchyat:- Nagla Jagir Meeting:- G.P. School BLOCK:- Saraswati nagar DISTRICT:- Yamuna Nagar

Sr. No	Name	Gender M/F	Category OBC/SC/ST	Occupation	Are you a member of any committee (Yes/No)	If yes name of the committee	Phone No.	Signature
1	NAGPAL	M	Gen.	Sarpanch	Yes	V.V.S.C	9913154001	Nagpal
2	AGRA SORU	F	SC	Panch	Yes	V.V.S.C	9736397238	(Signature)
3	Usha DEVI	F	BC	Panch	Yes	V.V.S.C	9729162785	Usha Rahi
4	Ravi Kumar	M	SC	Panch	Yes	V.V.S.C	9050677460	Ravi
5	PURJIT	F	SC	Panch	Yes	V.V.S.C	8053742367	Purjit
6	Usha DEVI	F	SC	A.W.	Yes	V.V.S.C	9168991282	Usha Devi
7	Rohit Kumar	M	BC	Panch	Yes	V.V.S.C	8970901743	Rohit
8	Purvinder Singh	M	SC	Operator	Yes	V.V.S.C	9991767594	Purvinder Singh
9	Phool Singh	M	BC	Supplier	Yes	V.V.S.C	9813624595	Phool Singh
10	Narinder	M	SC	Panch	Yes	V.V.S.C	9991745422	Narinder
11	Mohar	M	SC	Panch	Yes	V.V.S.C	8222842856	Mohar
12	Satish Kumar	M	BC	Operator	Yes	V.V.S.C	8222842856	Satish Kumar
13	Amey Nath	M	BC	Farmer	Yes	V.V.S.C	9053833193	Amey Nath
14	Seema	F	SC	H.W.	No	—	9050287133	Seema
15	Jagira Devi	F	SC	H.W.	No	—	8607676671	Jagira
16	Sahia	F	SC	H.W.	No	—	9728175055	Sahia
17	Rita	F	SC	Teacher	No	—	8930098745	Rita

[illegible]