

Water Security Plan Report

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Date : 31/ 03/ 2024 Time : 5:39 PM User Name : SPMU_Haryana_6

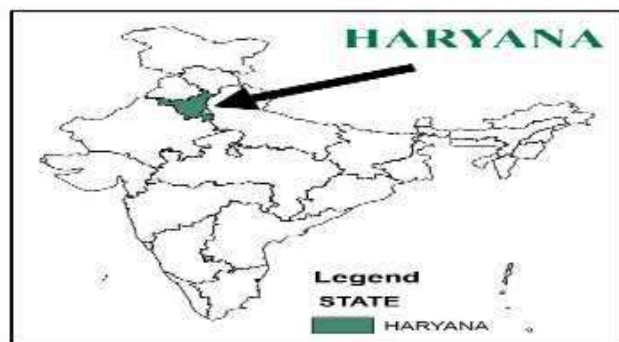
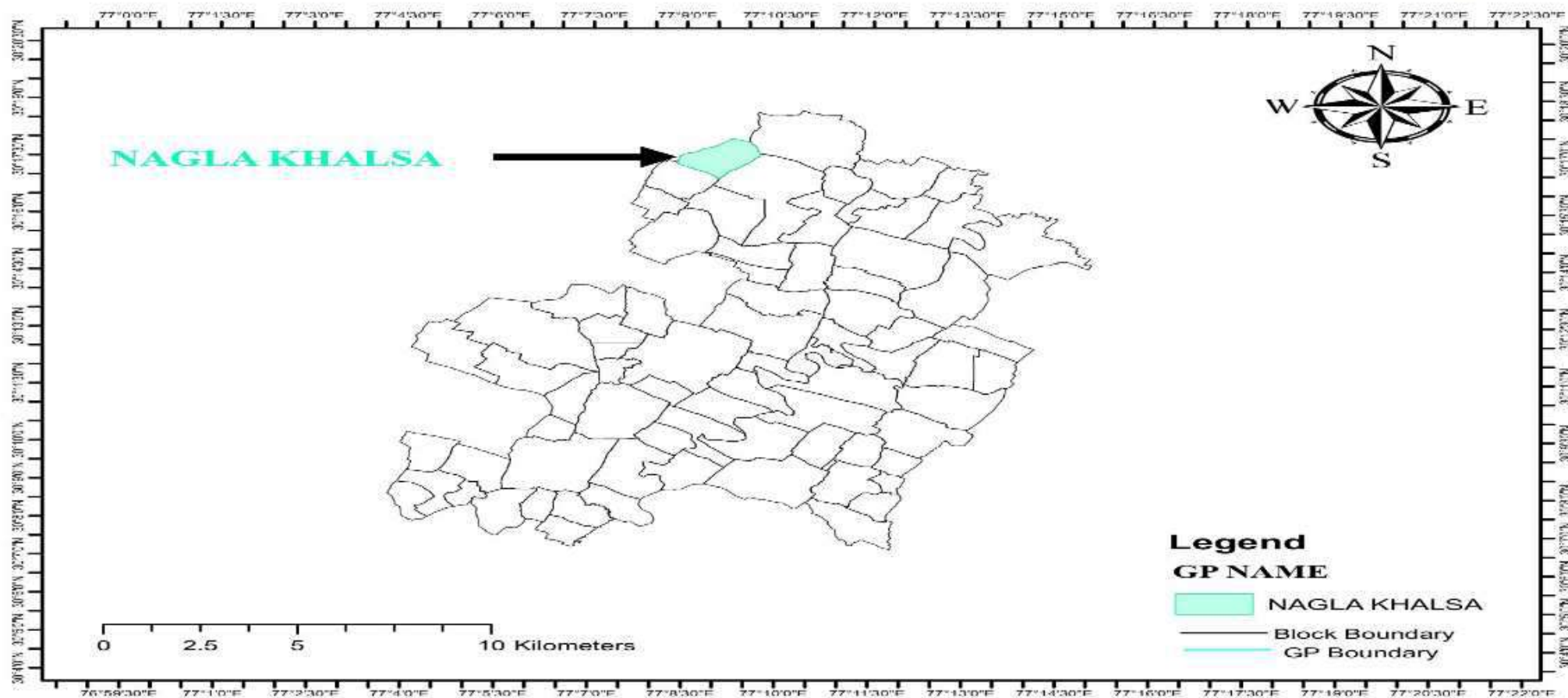
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: NAGLA KHALSA_33462 » YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Nagla Khalsa_33462
GP ID :	33462	Block Area (Ha) :	20267.2000
GP area (Ha) :	201.0000	Watershed Code :	GHGR003
Watershed name :	SARASWATI	Watershed area in Block / Taluk (Ha) :	240587.09
Sub-basin Code :	1	Sub basin name :	0
Basin Code :	11	Basin Name :	Ghaghar

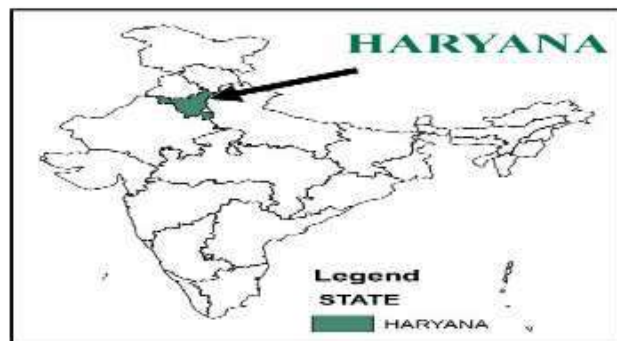
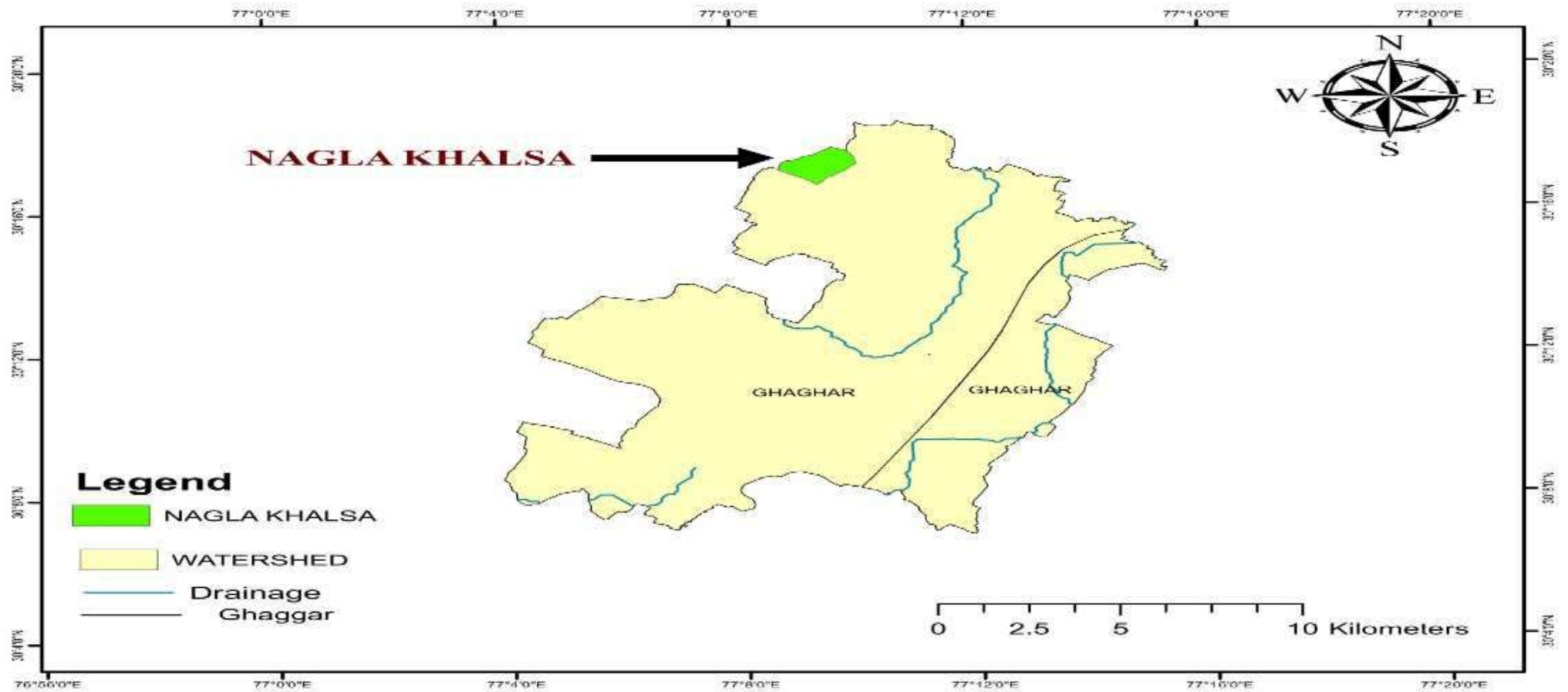
Location Map

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

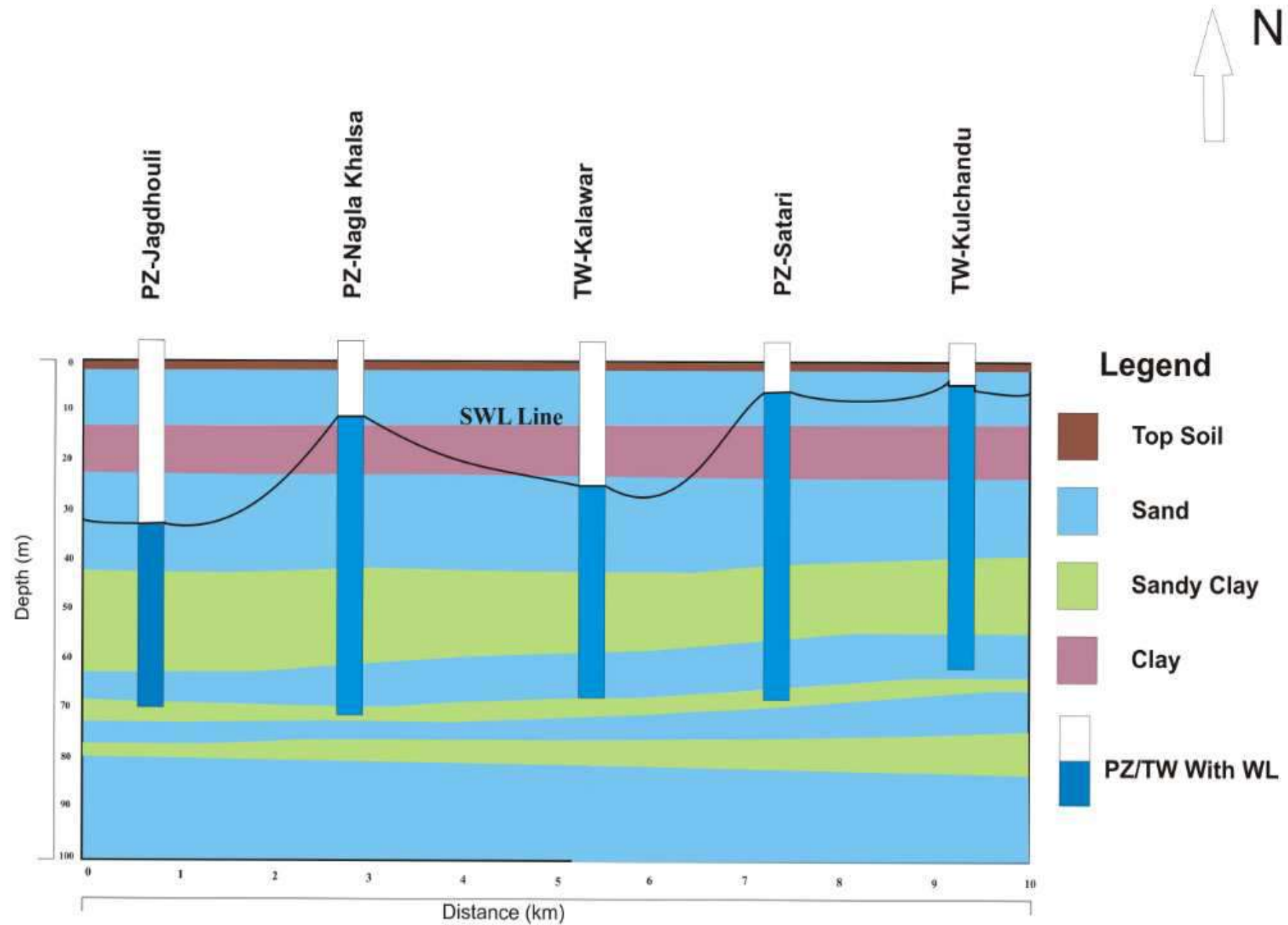


Watershed Map

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



Aquifer Map of Jagdhouli, Nagla Khalsa, Kalawar , Satari, Kulchandu 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 Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.05	2024-02-17
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.10	2024-01-16
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.80	2023-12-26
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	12.00	2023-11-29
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	10.99	2023-10-30
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.35	2023-09-30
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.2	2023-08-31
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.6	2023-07-30
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	12.4	2023-06-28
	Nagla Khalsa	Near sarpanch House	30.29128	77.16603	2023-05-24	033462-002	Tube Well		Private		0.2500	30.00	0.00	11.9	2023-05-24

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
2	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.34	2024-02-26
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.50	2024-01-22
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.75	2023-12-20
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.08	2023-10-29
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.43	2023-09-29
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.27	2023-08-29
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	11.68	2023-07-29
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	13.41	2023-06-30
	Nagla khalsa	Gp school	30.28953	77.15408	2023-05-24	033462-003	Piezometer		Government	SGWB	0.1000	71.00	0.50	13.28	2023-05-24
3	Naglakhalsa	Near masjid	30.28923	77.16615	2024-01-16	142548-003	Dug Well		Government	SGWB	1.50	18.00	0.10	2.83	2024-02-17
	Naglakhalsa	Near masjid	30.28923	77.16615	2024-01-16	142548-003	Dug Well		Government	SGWB	1.50	18.00	0.10	2.80	2024-01-16

Ground Water Quality

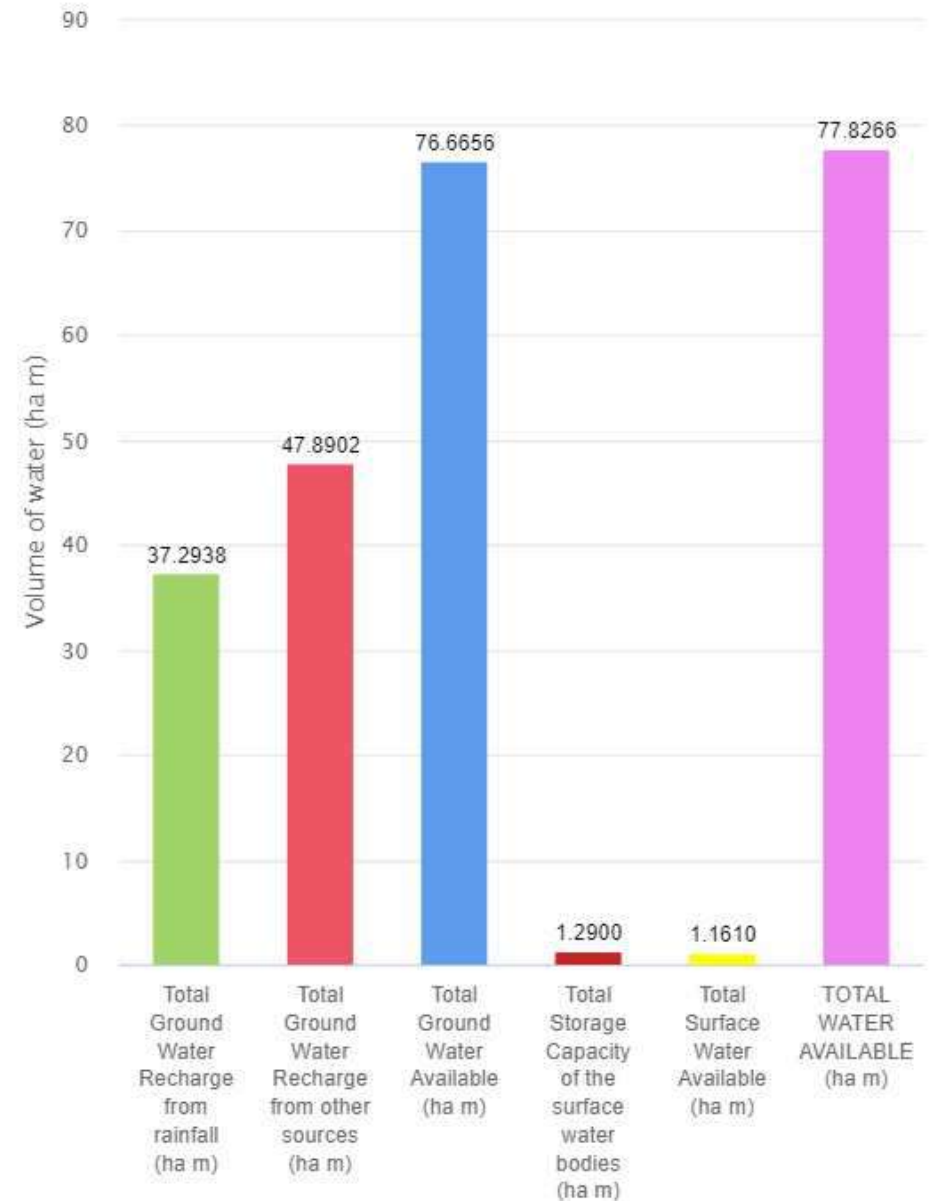
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Nagla Khalsa	Nagla Khalsa	30.28858	77.162979	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Nagla khalsa _001
2	Nagla Khalsa	Nagla Khalsa	30.29084	77.16571	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Nagla khalsa _002

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 khalsa _001	107	UNCONFINED	7.5	778	475	166	31	21.5	49	0.6	0	252	45	52	0.41	5.88
2	ABY_YMR_S NAGAR_Nagla khalsa _002	98	UNCONFINED	7.1	1346	821	302	58	38.2	82	1.3	0	326	92	126	0.58	9.66

Water Availability Report

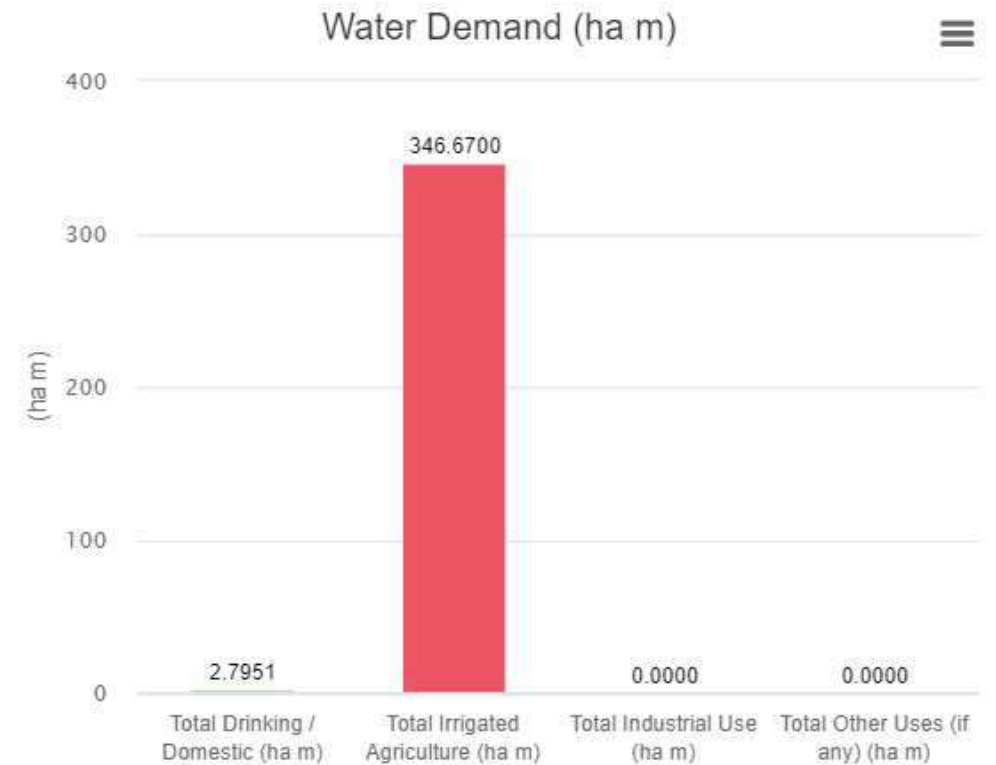
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	358.9337
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	90.3998
e.	Estimated Water Available From Rainfall (ha m)	268.5339
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	80.5602
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	29.9021
(ii)	Non-Monsoon	7.3917
	Total Ground Water Recharge from rainfall (ha m)	37.2938
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	27.7223
(ii)	Non-Monsoon	20.1679
	Total Ground Water Recharge from other sources (ha m)	47.8902
c.	Losses Due to Natural Discharge (ha m)	8.5184
	Total Ground Water Available (ha m)	76.6656
d.	Ground Water Withdrawal (ha m)	154.5891
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	1.29
	Total Storage Capacity of the surface water bodies (ha m)	1.2900
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	1.1610
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	1.1610
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	77.8266

Water Availability (ha m)



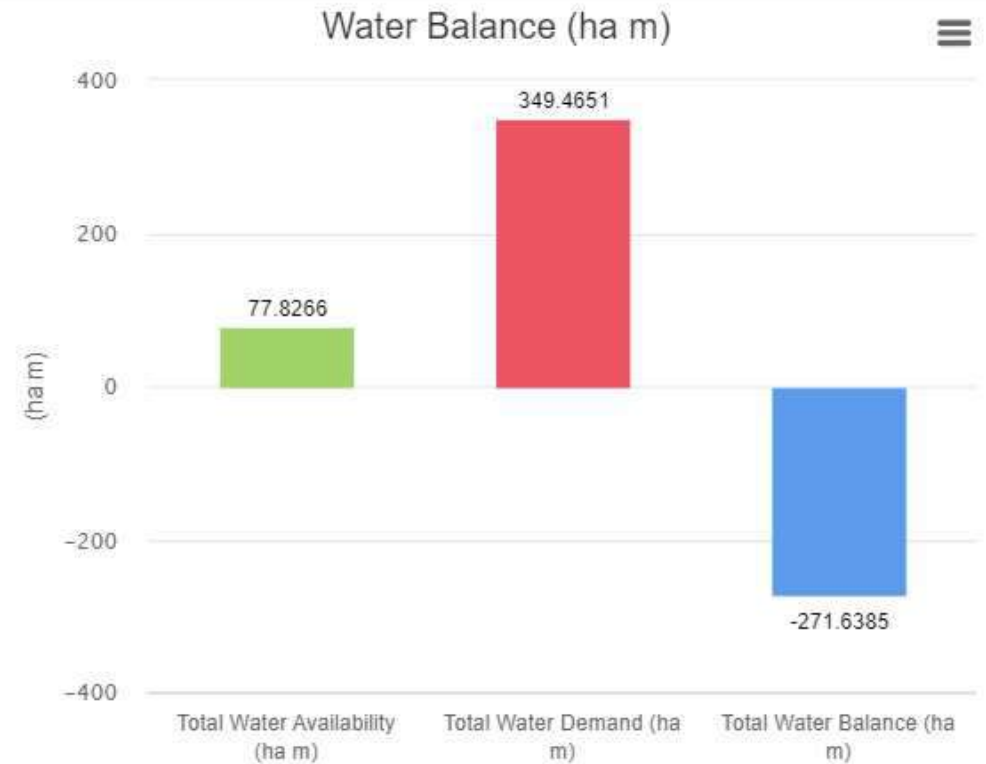
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1795
ii)	From Ground Water	2.6156
	Total Drinking /Domestic (ha m)	2.7951
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	346.6700
	Total Irrigated Agriculture (ha m)	346.6700
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

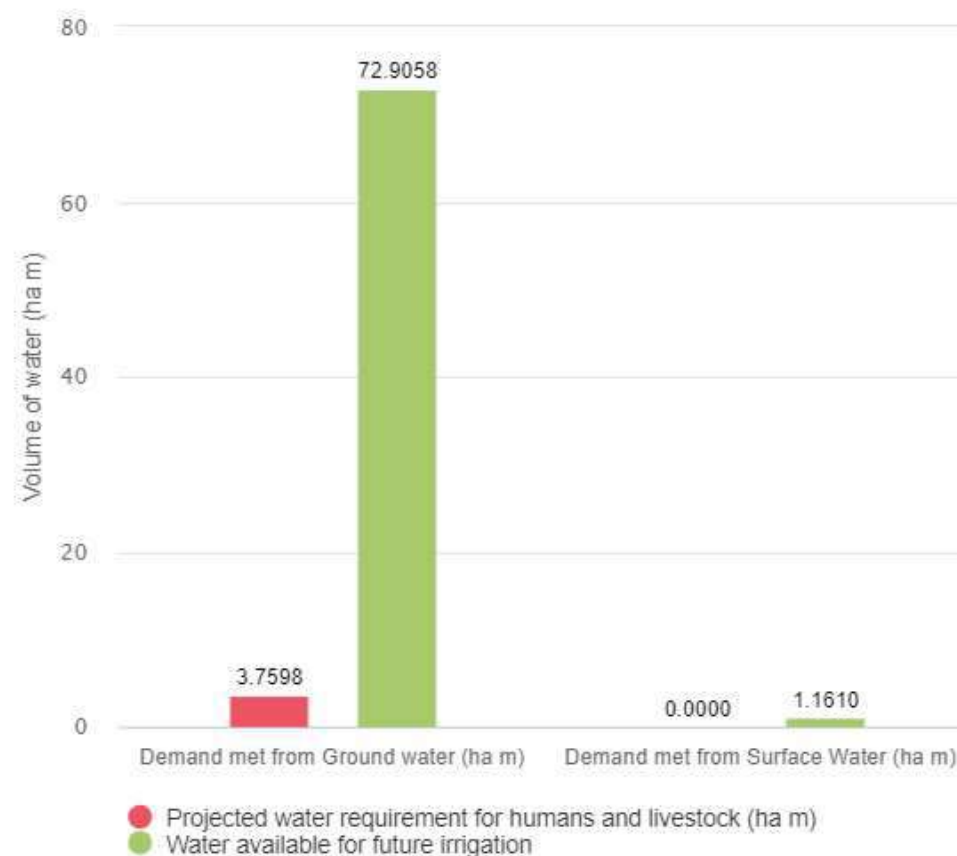
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	76.6656
ii)	Total Surface Water Available	1.1610
	Total Water Availability (ha m)	77.8266
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1795
ii)	Total Ground Water Demand	349.2856
	Total Water Demand	349.4651
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-272.6200
ii)	Total Surface Water Balance	0.9815
	Total Water Balance	-271.6385



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	499.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	689.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	1.3832
II Livestock	
i) Present livestock population	392.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	519.0000
v) Average per capita requirement (L)	125.4592
vi) Projected water requirement for livestock (as in 2050) (ha m)	2.3766
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)	3.7598
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)	3.7598
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	72.9058
ii) Surface water	1.1610
iii) Total water available for future irrigation	74.0668

Projected Water Budget for future use (for year 2050)

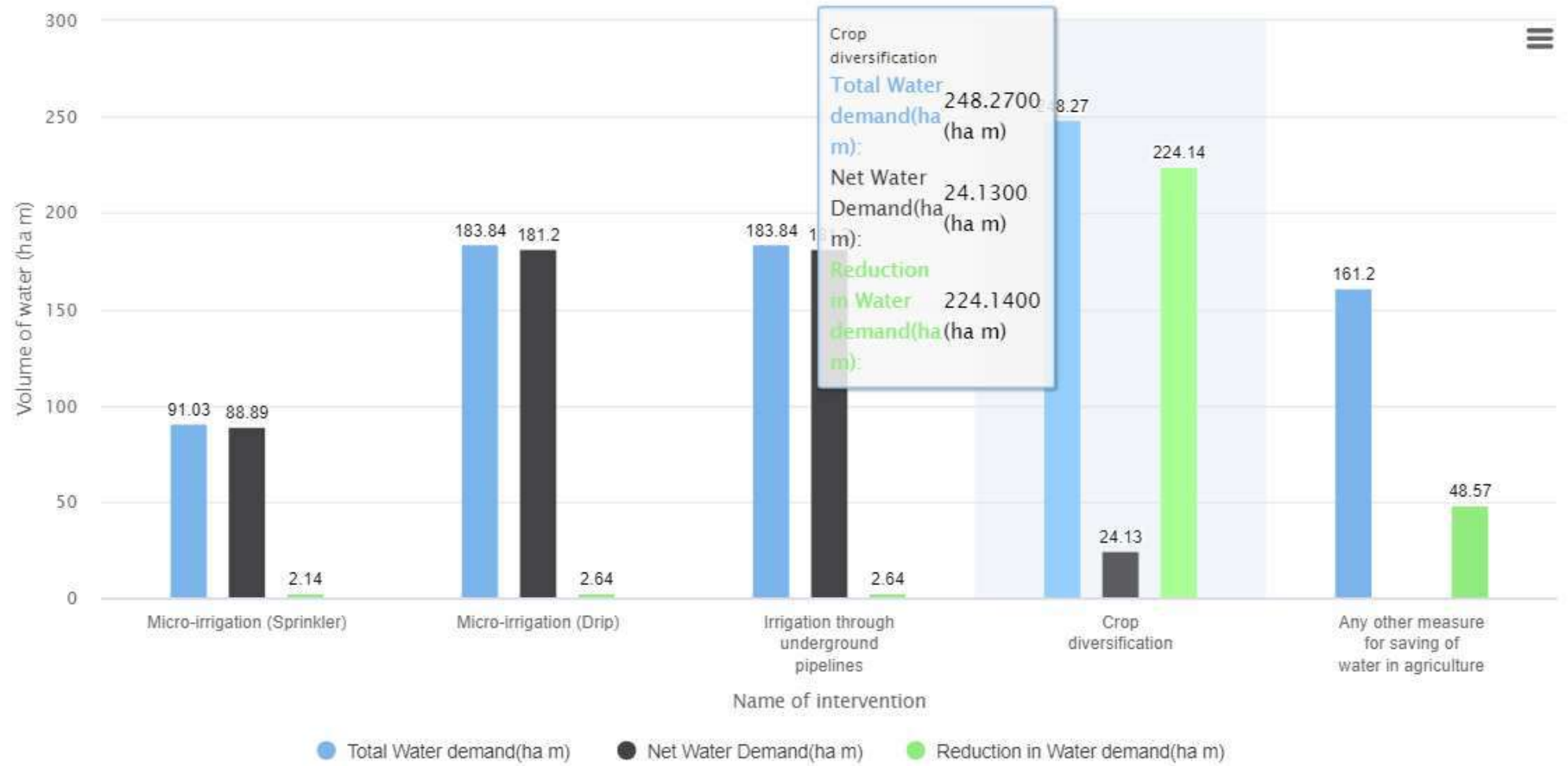


Demand Side

Total Area under Conventional Irrigation (ha) : 381.98

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	13.0000	91.0300	88.8900	2.1400	14.5600
2	Drip	12.0000	183.8400	181.2000	2.6400	18.3600
3	Pipelines	12.0000	183.8400	181.2000	2.6400	3.0000
4	Crop Diversification	48	248.2700	24.1300	224.1400	8.3040
5	Other Measures	179.0000	161.2000	--	48.5700	9.3800
	Total	264.0000	868.1800	475.4200	280.1300	53.6040

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	79	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	2.92
2	Sprinkler	13	2024-25	MICADA	PMKSY(Per Drop More Crop)	14.56
3	Drip	12	2024-25	MICADA	PMKSY(Per Drop More Crop)	18.36
4	UG Pipelines	12	2024-25	Agriculture & Farmer Welfare Department	Other	3
5	Crop Diversification	13	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	2.249
6	Crop Diversification	35	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	6.055
7	Other Measures	1	2024-25	Department of Horticulture	Other	0.16
8	Other Measures	48	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.2
9	Other Measures	51	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5.1
	Total	264				53.6040

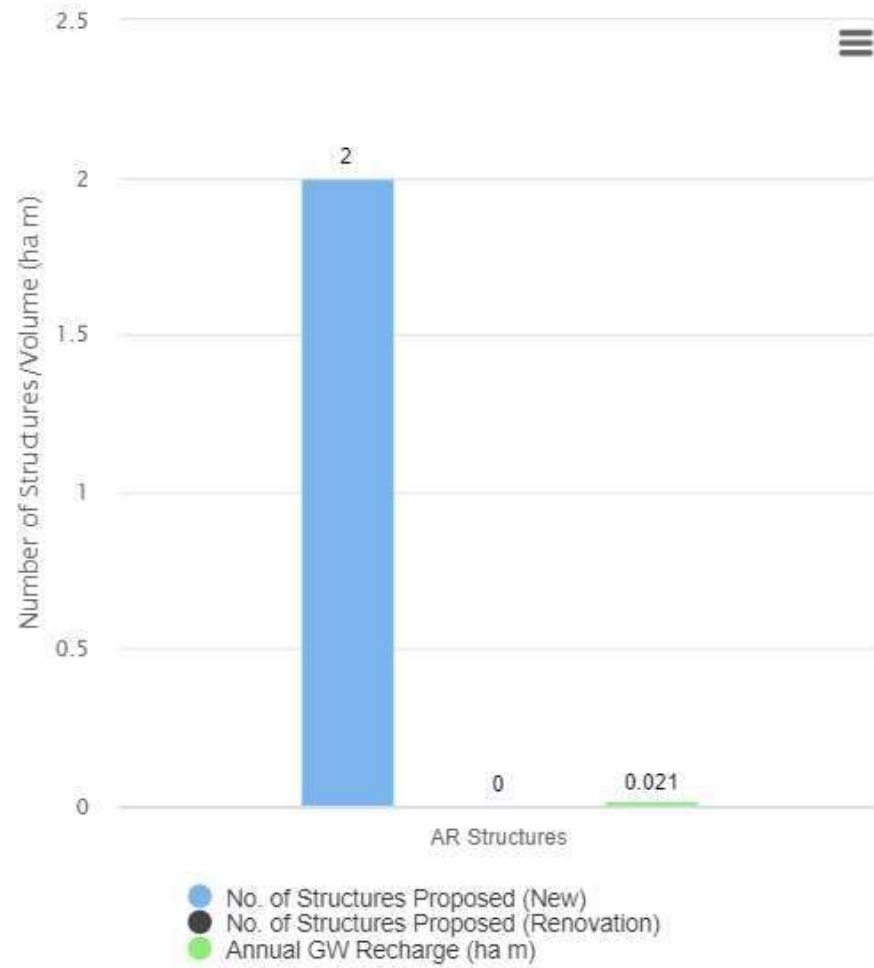


Supply Side

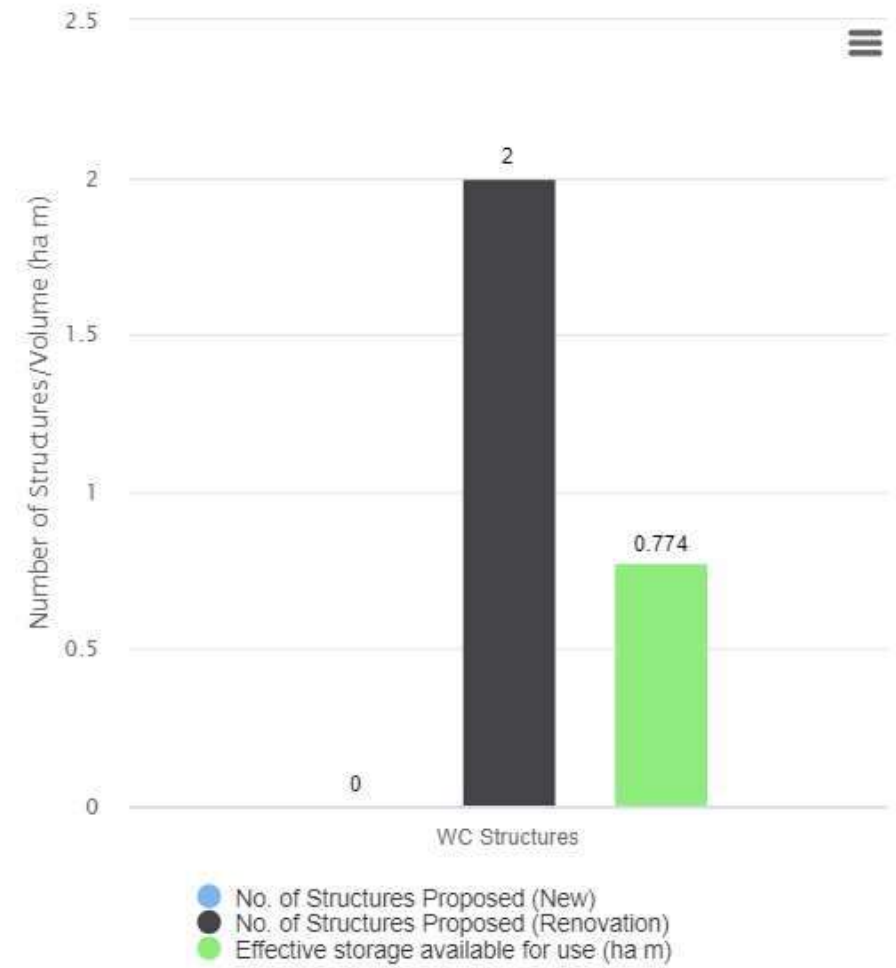
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Nagla Khalsa (344)	30.2872	77.1668	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	roof top rain water harvesting system(New)	0.0061	0.018300	Nagla Khalsa (344)	30.2873	77.1668	2024-25	Department of Education	CSR	4.5
	Total	0.0079	0.0210							5.1200

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)	0.55	0.330	Nagla Khalsa (344)	30.2886	77.1671	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	7.7
2	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Nagla Khalsa (344)	30.2873	77.1676	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
	Total	1.2900	0.7740							17.9700

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	RAHUL SAINI	MEMBER	Male	8684889180
2	NUVITA	MEMBER	Female	9817586947
3	RAM LATA	MEMBER	Female	9991198648
4	JAGAN	MEMBER	Male	9813800341
5	JANG BAHADUR	MEMBER	Male	9466796952
6	RAJVINDER KAUR	CHAIRPERSON	Female	8930823296
7	TARA SINGH	MEMBER	Male	9813739718
8	SHISH PAL	MEMBER	Male	9671810942
9	HARMANPREET KAUR	MEMBER	Female	9896648499
10	RAJ KUMAR	JE	Male	9729203036
11	KAMAL BAKSHI	JE PHED	Male	8761913142
12	SURESH	MEMBER	Male	8930060731
13	MAMTA RANI	MEMBER	Female	9813464503
14	AMARJEET RANI	MEMBER	Female	8059972478
15	AMAR	MEMBER	Male	9996499851

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 Khalsa_33462	2024-02-15	Nagla Khalsa_33462	Nagla Khalsa (344)	gurudwara sahib	16	7	0	23

Photograph



 **GPS Map Camera**



Yamunanagar, Haryana, India
Unnamed Road, Haryana 133103, India
Lat 30.288543°
Long 77.167073°
15/02/24 01:58 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 Khalka 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


Tareen Kumar
Cr. W.E DPMU

Minutes of Meeting

Village Name Nagla Khalsa

Block Saraswati Nagar

District Yamunanagar

Meeting Place: Grundawara Sahib Lat No. 30.265543

Long No. 77.161073

Date: 15/12/24

Agenda of Meeting: Discuss with members about the ANNUAL MEETING.

उपरोक्त मुद्दों पर ग्राम पंचायत के सदस्यों के बीच चर्चा हुई। ग्राम पंचायत के अध्यक्ष ने सभी सदस्यों को सूचित किया कि ग्राम पंचायत की बैठक का आयोजन किया गया है। ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है। ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।

- 1) ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।
- 2) ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।

उपरोक्त मुद्दों पर ग्राम पंचायत के सदस्यों के बीच चर्चा हुई। ग्राम पंचायत के अध्यक्ष ने सभी सदस्यों को सूचित किया कि ग्राम पंचायत की बैठक का आयोजन किया गया है। ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है। ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।

- 3) ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।
- 4) ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।

उपरोक्त मुद्दों पर ग्राम पंचायत के सदस्यों के बीच चर्चा हुई। ग्राम पंचायत के अध्यक्ष ने सभी सदस्यों को सूचित किया कि ग्राम पंचायत की बैठक का आयोजन किया गया है। ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है। ग्राम पंचायत के सदस्यों को सूचित किया गया है कि ग्राम पंचायत की बैठक का आयोजन किया गया है।

Minutes of Meeting

Village Name: Nagla Khalsa Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Handuwa Sahib Lat. No. 30.288543°

Long No. 77.167073°

Date: 15/2/24

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

अहम शु-अल के अंतर्गत आज दिनांक 15/2/24 की ग्राम पंचायत नगला खल्सा में संस्थापक श्री/श्रीमती रविंद्र कौर की अध्यक्षता में ग्राम पंचायत जल एवं स्वच्छता समिति की बैठक का आयोजन किया गया। बैठक में संपूर्ण किसान और ग्रामीणों ने भाग लिया इस बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई।

- 1) ग्राम पंचायत जलड के फुलेबाग किया जाये ,
 - 2) किसानों की खेती में ड्रिप और फुवारा सिंचन विधि लगाई जाये ,
 - 3) ग्राम पंचायत में स्कूल या धर्मशाला में खेत पिट व RTRWHS बनाई जाए ,
 - 4) खेती में DSR विधि से धान की बुवाई को व्यवस्था की जाए ।
 - 5) खेती में फसल सबसे अधिक को व्यवस्था की जाये
- अवसर कार्य को जल सुरक्षा योजना में पारित किया गया और इसे सभी कार्य कार्याय जाये इस कार्य के लिए ग्राम पंचायत जल एवं स्वच्छता समिति को बैठक में सभी सहभागियों की सहमति से प्रस्ताव पारित किया

ANNEXURE III

RESOLUTION

Date: 15/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat.....Nagla Khalsa
Block/Taluk/Mandal Saraswatinagar 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 15/02/24

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>Pajwinder Kaur</u>	<u>R. Kaur</u> Sarpanch Gram Panchayat, Nagla Khalsa Block, Saraswati Nagar (YNR)
2	Gram Panchayat Secretary	<u>Sunder Singh</u>	<u>Singh</u>

Sl. 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	Kajjinder Kumar	F	Gen	Son Pach	Yes	V.W.S.C	5930823296	Ravinder Kumar
2	Rao Lata	F	Gen	Panch	Yes	V.W.S.C	9911 98648	(Signature)
3	Jagan	M	SC	Panch	Yes	V.W.S.C	9513200341	(Signature)
4	Suresh	M	BC	Panch	Yes	V.W.S.C	59300 60731	(Signature)
5	Murata Kauri	F	Gen	A.W.W	Yes	V.W.S.C	9913 4 6453	(Signature)
6	Harman Singh	M	Gen	Operator	Yes	V.W.S.C	90549 72428	(Signature)
7	Rajesh Singh	M	BC	Panch	Yes	V.W.S.C	965488 9180	(Signature)
8	Nurita	F	BC	Panch	Yes	V.W.S.C	95175 96447	Nurita
9	Amay	M	SC	Farmer	Yes	V.W.S.C	9416499551	Amay
10	Tarun Singh	M	Gen	Farmer	Yes	V.W.S.C	98177 39718	Pooja Singh
11	Shikha Patel	M	BC	Member	Yes	V.W.S.C	9671810942	(Signature)
12	Young Kishan	M	Gen	Farmer	Yes	V.W.S.C	94667691952	(Signature)
13	Harman Singh	F	Gen	H.W.	Yes	V.W.S.C	9596648499	(Signature)
14	Pawan Kumar	M	Gen	Operator	Yes	V.W.S.C	7027357002	(Signature)
15	Malik Singh	M	Gen	Farmer	No	—	9999124950	(Signature)
16	Ramesh Lata	F	SC	H.W.	No	—	989662152	(Signature)
17	Somnath	M	SC	Labour	No	—	9053038651	(Signature)

ATTENDANCE SHEET

Gram Panchyat:- Najla Khalsa

Meeting :- Gundwana Sahib

Meeting :- Gundwana Sahib BLOCK : Saraswati nagar DISTRICT:-Yamuna Nagar

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