

Water Security Plan Report

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Date : 30/ 03/ 2024

Time : 12:22 PM

User Name : SPMU_Haryana_6

STATE: HARYANA_6 »

DISTRICT: YAMUNANAGAR_76 »

BLOCK: SARASWATI NAGAR_563 »

GRAM PANCHAYAT: SUKHDASPUR_33474 »

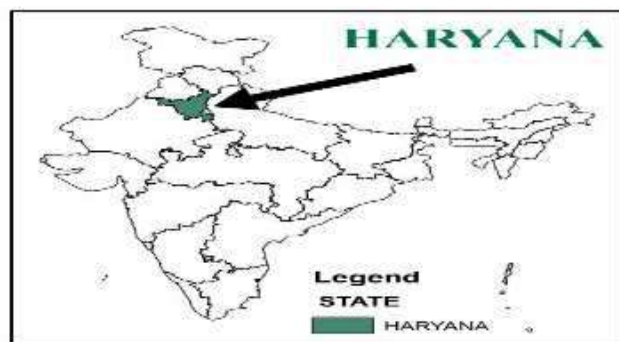
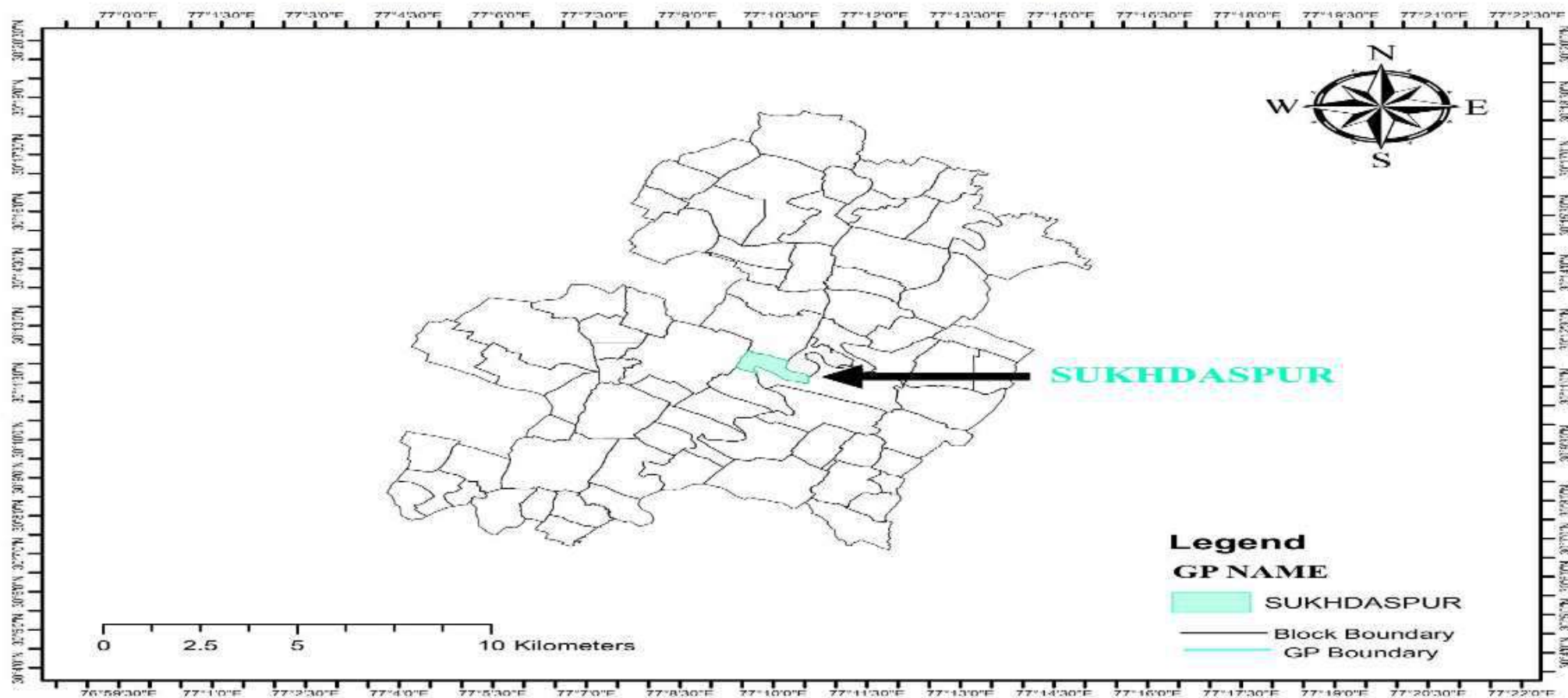
YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Sukhdaspur_33474
GP ID :	33474	Block Area (Ha) :	20267.2000
GP area (Ha) :	118.0000	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

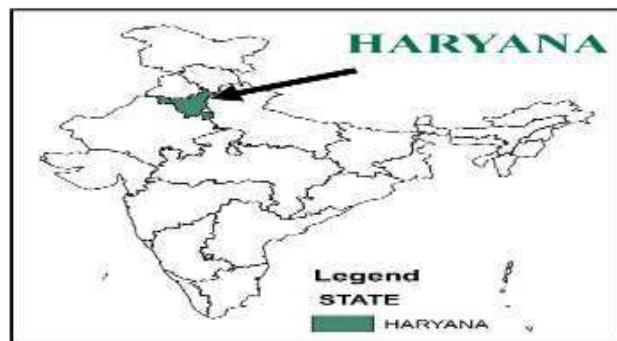
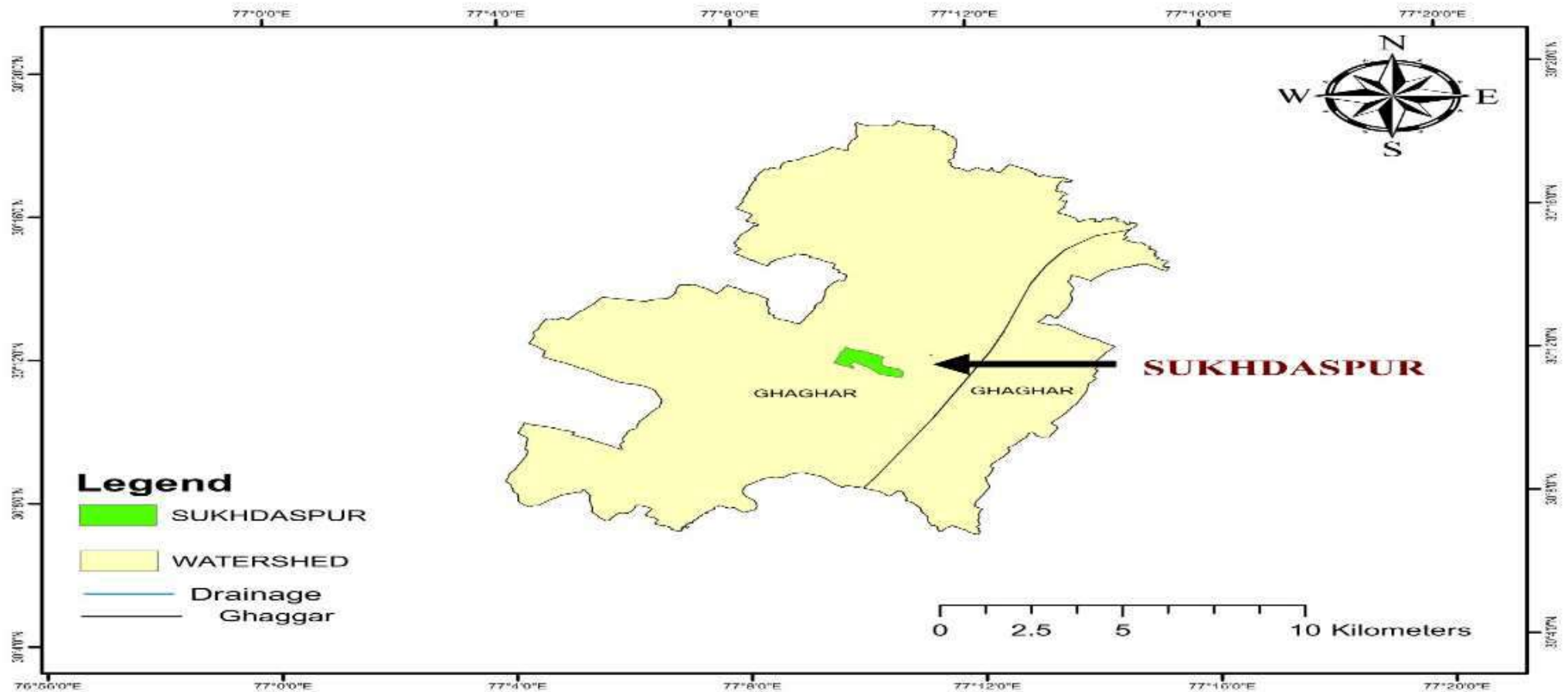
Location Map

Location Map : GP Sukhdaspur, Block Saraswati Nagar, District Yamunanagar



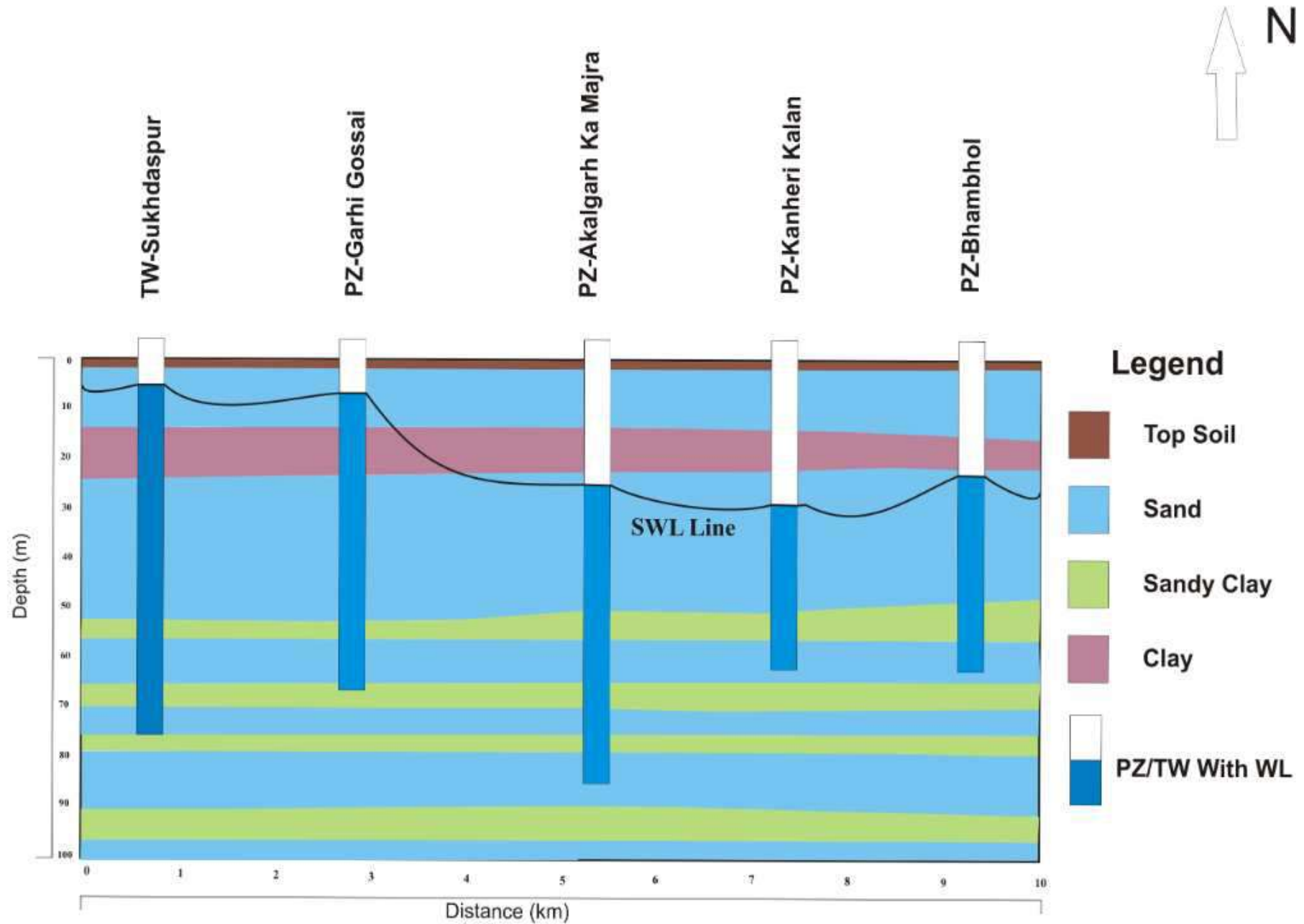
Watershed Map

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



Aquifer Map

Aquifer Map of Sukhdaspur, Garhi Gossai, Akalgarh Ka Majra , Kanheri Kalan, Bhambhol 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	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	5.20	2024-02-17
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	5.28	2024-01-22
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	5.35	2023-12-25
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	5.42	2023-11-29
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	6.44	2023-10-30
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	6.50	2023-09-29
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	6.10	2023-08-29
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	7.20	2023-07-30
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	7.15	2023-06-29
	Sukhdasapur	On road	30.19637	77.16257	2023-05-25	033474-001	Tube Well		Private		0.1500	27.38	0.45	6.55	2023-05-25

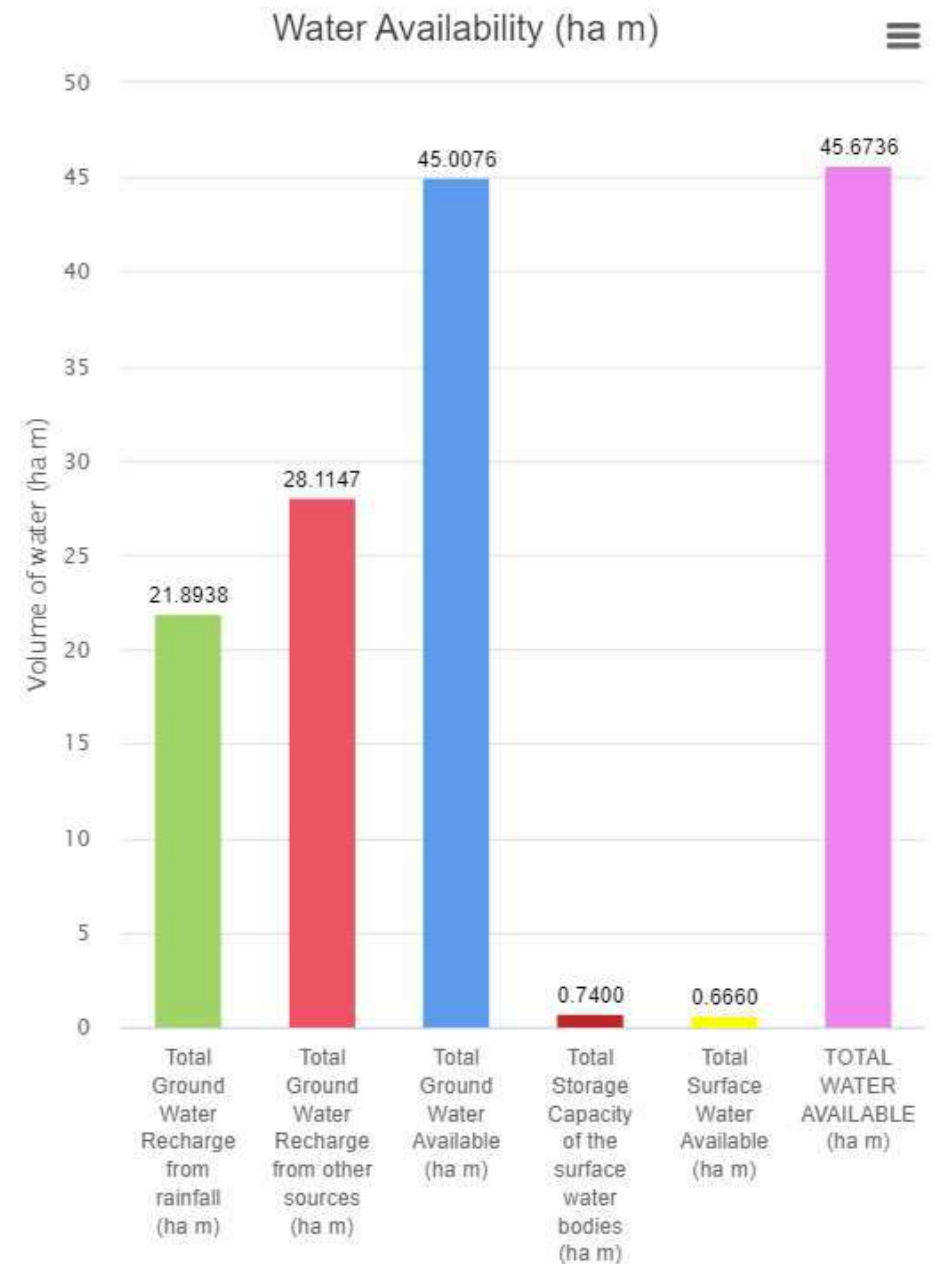
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Sukhdaspur	Sukhdaspur	30.19603	77.16523	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_sukhdaspur_001
2	Sukhdaspur	Sukhdaspur	30.196659	77.168533	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_sukhdaspur_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_ sukhdaspur_001	85	UNCONFINED	7.1	861	525	182	36	22.4	38	1.1	0	296	49	59	0.49	8.56
2	ABY_YMR_S NAGAR_ sukhdaspur_002	78	UNCONFINED	7.2	1028	627	216	48	23.3	56	1.5	0	308	62	86	0.65	9.65

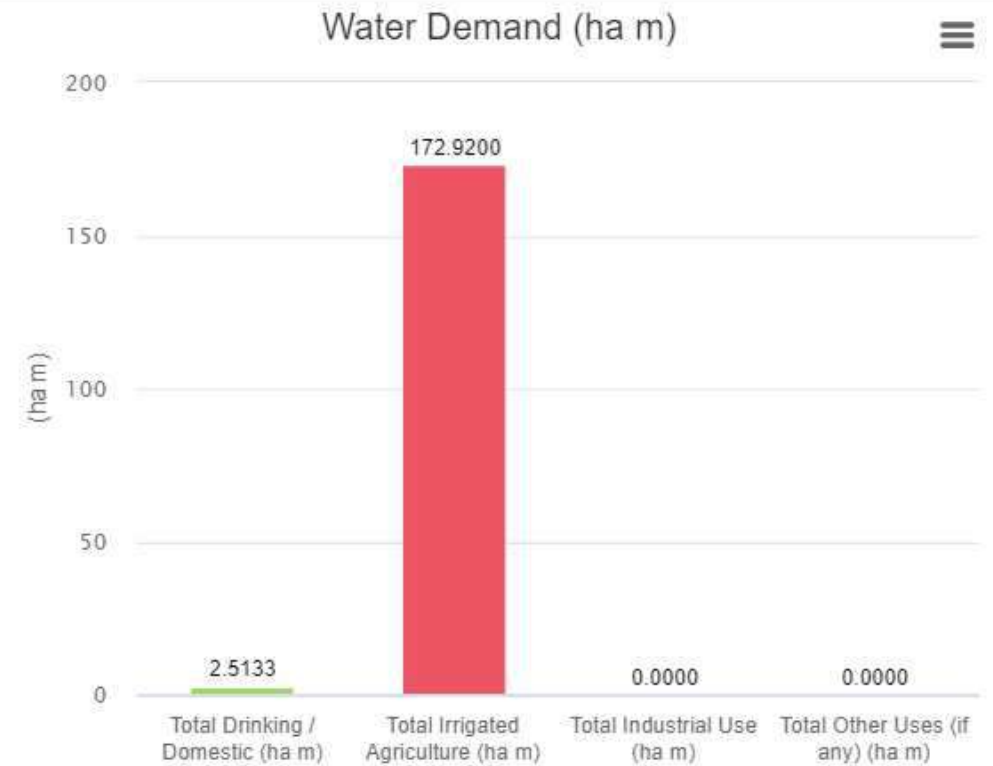
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	210.7173
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	53.0705
e.	Estimated Water Available From Rainfall (ha m)	157.6468
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	47.2940
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	17.5544
(ii)	Non-Monsoon	4.3394
	Total Ground Water Recharge from rainfall (ha m)	21.8938
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	16.2748
(ii)	Non-Monsoon	11.8399
	Total Ground Water Recharge from other sources (ha m)	28.1147
c.	Losses Due to Natural Discharge (ha m)	5.0009
	Total Ground Water Available (ha m)	45.0076
d.	Ground Water Withdrawal (ha m)	90.7538
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	1	0.74
	Total Storage Capacity of the surface water bodies (ha m)	0.7400
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	0.6660
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.6660
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	45.6736



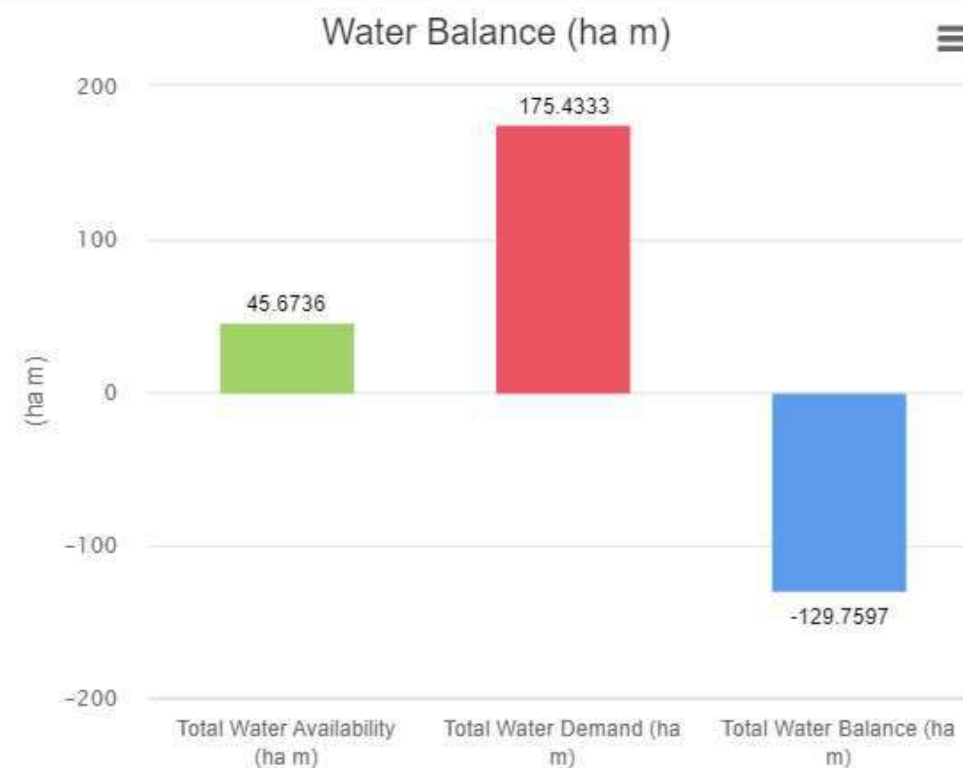
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1163
ii)	From Ground Water	2.3970
	Total Drinking /Domestic (ha m)	2.5133
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	172.9200
	Total Irrigated Agriculture (ha m)	172.9200
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

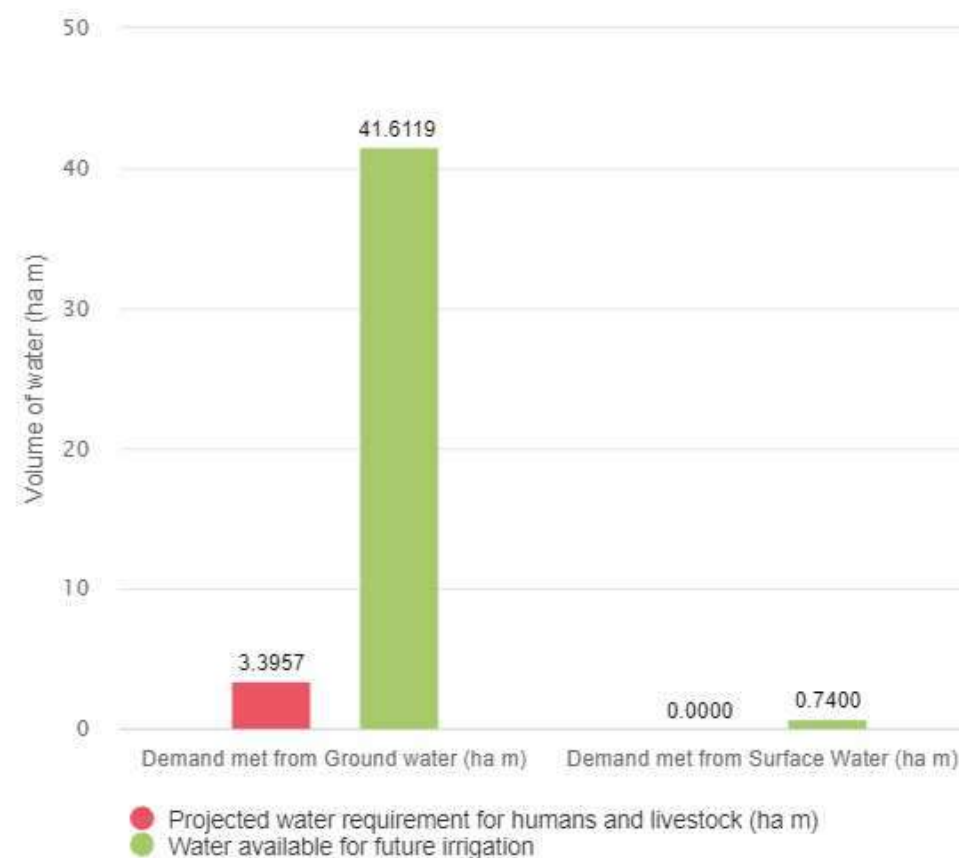
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	45.0076
ii)	Total Surface Water Available	0.6660
	Total Water Availability (ha m)	45.6736
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1163
ii)	Total Ground Water Demand	175.3170
	Total Water Demand	175.4333
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-130.3094
ii)	Total Surface Water Balance	0.5497
	Total Water Balance	-129.7597



Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	670.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	925.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	1.8569
II	Livestock	
i)	Present livestock population	254.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	336.0000
v)	Average per capita requirement (L)	125.4724
vi)	Projected water requirement for livestock (as in 2050) (ha m)	1.5388
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)	3.3957
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)	3.3957
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	41.6119
ii)	Surface water	0.7400
iii)	Total water available for future irrigation	42.3519

Projected Water Budget for future use (for year 2050)

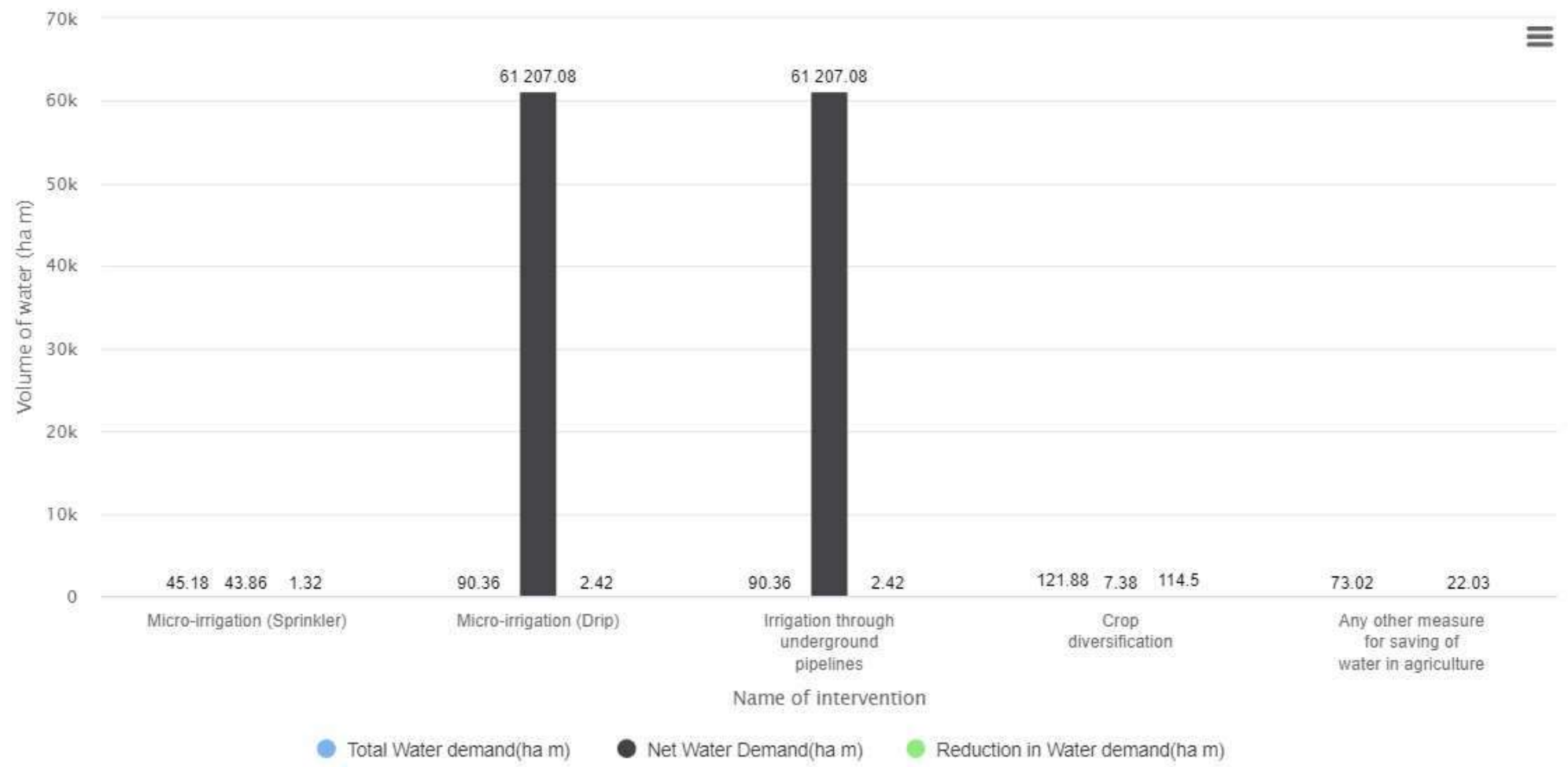


Demand Side

Total Area under Conventional Irrigation (ha) : 194.62400000000002

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	8.0000	45.1800	43.8600	1.3200	8.9600
2	Drip	11.0000	90.3600	61207.0800	2.4200	16.8300
3	Pipelines	11.0000	90.3600	61207.0800	2.4200	2.7500
4	Crop Diversification	15	121.8800	7.3800	114.5000	2.5900
5	Other Measures	82.0000	73.0200	--	22.0300	5.2600
	Total	127.0000	420.8000	122465.4000	142.6900	36.3900

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	30	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	1.11
2	Drip	11	2024-25	MICADA	PMKSY(Per Drop More Crop)	16.83
3	Sprinkler	8	2024-25	MICADA	PMKSY(Per Drop More Crop)	8.96
4	UG Pipelines	11	2024-25	Agriculture & Farmer Welfare Department	Other	2.75
5	Other Measures	1	2024-25	Department of Horticulture	Other	1
6	Crop Diversification	5	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	0.86
7	Crop Diversification	10	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	1.73
8	Other Measures	26	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	0.65
9	Other Measures	25	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	2.5
	Total	127				36.3900

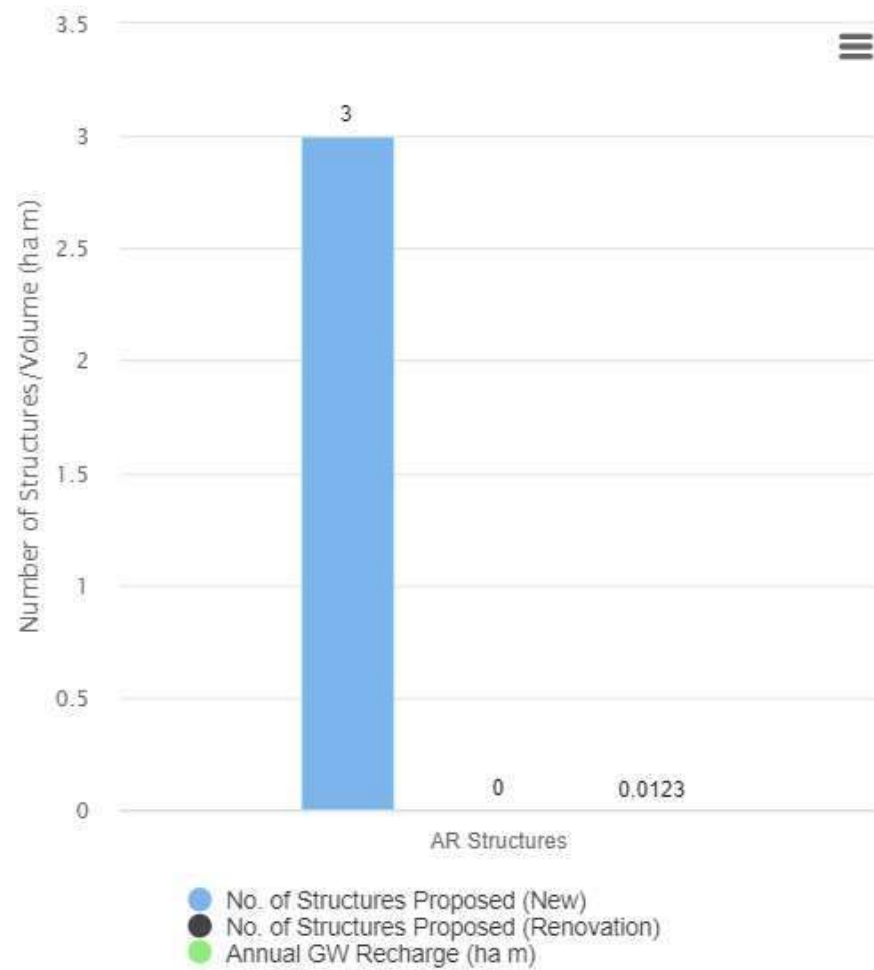


Supply Side

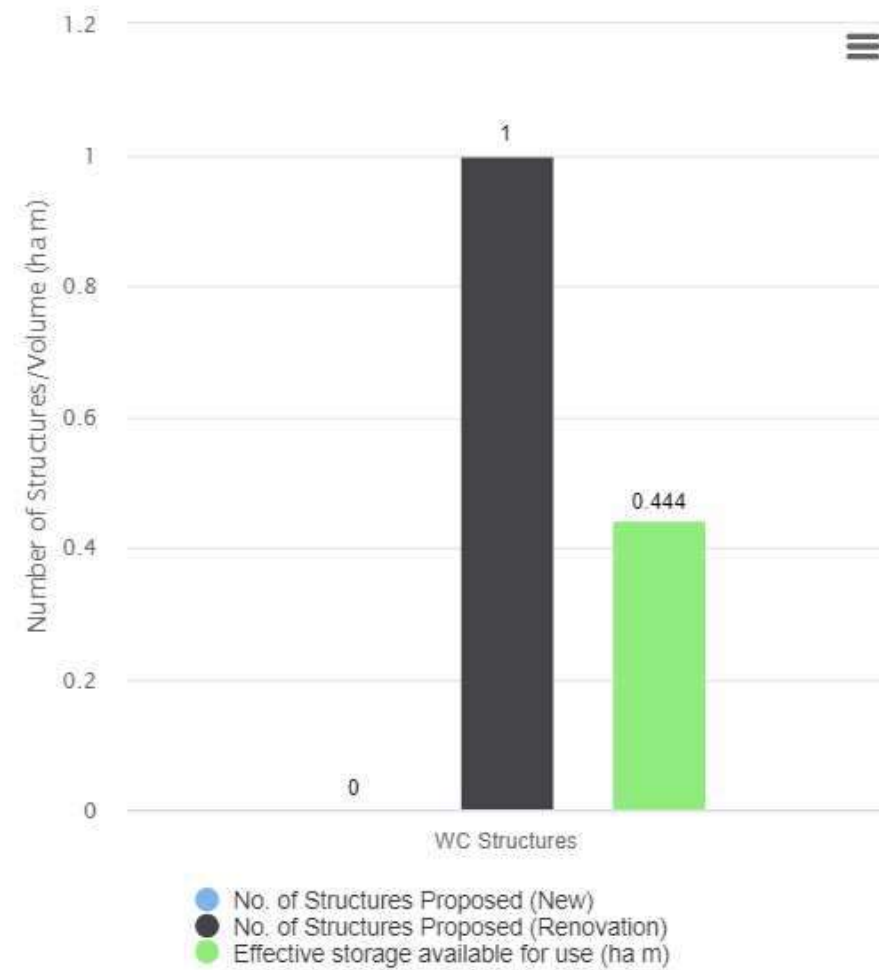
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Recharge Pit And Shaft(New)	0.0018	0.005400	Sukhdaspur (442)	30.197	77.1666	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	Injection Wells/ Recharge Wells(New)	0.0023	0.006900	Sukhdaspur (442)	30.1954	77.1678	2024-25	Irrigation & Water Resource Development	Departmental Scheme	2.4
3	Piezometer(New)	0	0.00	Sukhdaspur (442)	30.195572	77.16882	2024-25	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	6
	Total	0.0041	0.0123							9.0200

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)	0.74	0.444	Sukhdaspur (442)	30.1983	77.1682	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
	Total	0.7400	0.4440							10.2700

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



PGWM Committee

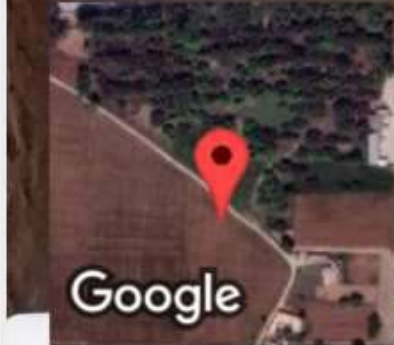
PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	BHUPINDER	CHAIRPERSON	Male	9671702491
2	PARVEEN KUMAR	MEMBER	Male	9588138530
3	SURESH KUMAR	MEMBER	Male	8059742208
4	MAHINDER SINGH	MEMBER	Male	8930049377
5	RITU DEVI	MEMBER	Female	8168982925
6	RAJNI DEVI	MEMBER	Female	9896873772
7	SARMILLA RANI	MEMBER	Female	8684028773
8	AJAY SINGH	MEMBER	Male	9812704167
9	RAZID KHAN	GRAM SACHIV	Male	9991971847
10	KIRAN DEVI	MEMBER	Female	9996356207
11	KULBANT	MEMBER	Male	9813086999
12	MAMTA SAINI	MEMBER	Female	9896564894
13	MANGE RAM	MEMBER	Male	9813373999
14	ANJU RANI	MEMBER	Female	7988223622
15	RAHUL	JE	Male	8950718884
16	KAMAL BALSHI	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	Sukhdaspur_33474	2024-02-26	Sukhdaspur_33474	Sukhdaspur (442)	ravidas mandir	10	15	0	25

Photograph



GPS Map Camera



sukhdaspur, Haryana, India

6546+Q6H sukhdaspur, Yamuna Nagar Haryana 133103, India

Lat 30.20741°

Long 77.163794°

26/02/24 03:45 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 Sukhdaspur 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.W.E DPMU

Minutes of Meeting

Village Name: Subhadaspur

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Ravidas mandir

Lat. No. 30.20741

Long No. 77.163794

Date: 26/02/24

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

अहम शुजल योजना के अंतर्गत आज दिनांक 26/02/2024 को ग्राम पंचायत सुबहदसपुर में सरपंच की अध्यक्षता में तथा ग्रामिणों की उपस्थिति में जल सुरक्षा योजना को बैठक का आयोजन किया गया तथा बैठक में निम्नलिखित बिन्दुओं पर चर्चा की गई:

ग्राम पंचायत में जोड़ का पुनर्निर्माण करवाया जाय

ग्राम पंचायत में स्कूल या धर्मशाला में शौकेट पिट या RTMWS बनवाया जाय

किसानों के खेतों में सिंचाई हेतु आधुनिक सिंचाई तकनीक जैसे ड्रिप व फव्वारा सिंचाई विधि को व्यवस्था की जाय

DSP विधि से धान की बुआई की व्यवस्था की जाय

फायल अवशेष प्रबंधन की व्यवस्था की जाय

उपरोक्त सभी बिन्दुओं पर चर्चा के पश्चात सभी उपस्थित सदस्यों की सहमति से.

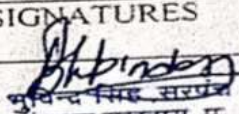
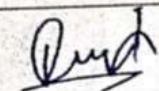
जल सुरक्षा योजना को पारित किया गया.

ANNEXURE III

RESOLUTIONDate 26/02/24

SUNHadar

is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat...
 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 26/02/24

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Bhupinder	 मुखिन्द सिंह सरपंच ग्राम पंचायत, सुखदास पु खण्ड, सरस्वती नगर (यमुना नगर),
2	Gram Panchayat Secretary	Razid Khan.	



ATTENDANCE SHEET

Gram Panchayat: Sukhtalas PurMeeting: Govt. SchoolBlock: Saraswati Nagar DISTRICT: Yamuna Nagar

No.	Name	Gender	Category OBC/SC /ST	Occupation	Are you a member of any committee (Yes/No)	If Yes name of the committee	Phone No.	Signature
1.	Shafiqul Singh	M	OBC	Farmer	Yes	U.W.S.C	9671702441	
2.	Aashi	F	OBC	Self employed	Yes	U.W.S.C	9355880667	Aashi
3.	Pradeep Devi	F	OBC	Housewife	-	-	8059766649	Pradeep Devi
4.	Pradeep Devi	F	OBC	Housewife	-	-	9050358811	Pradeep Devi
5.	Pradeep Devi	F	OBC	Housewife	-	-	8059766649	Pradeep Devi
6.	Pradeep Devi	F	OBC	Housewife	-	-	8930598322	Pradeep Devi
7.	Pradeep Devi	F	OBC	Housewife	-	-	9818171372	Pradeep Devi
8.	Pradeep Devi	M	OBC	Farmer	Yes	U.W.S.C	9813373979	
9.	Pradeep Devi	M	OBC	Farmer	Yes	U.W.S.C	8059742208	Pradeep Devi
10.	Pradeep Devi	F	OBC	Housewife	-	-	9813924716	Pradeep Devi
11.	Pradeep Devi	F	OBC	Housewife	-	-	9671702441	Pradeep Devi
12.	Pradeep Devi	F	OBC	Housewife	-	-	967861483	Pradeep Devi
13.	Pradeep Devi	F	OBC	Housewife	-	-	9050754766	Pradeep Devi
14.	Pradeep Devi	F	OBC	Housewife	-	-	9050080591	Pradeep Devi
15.	Pradeep Devi	M	OBC	Farmer	-	-	9996669147	Pradeep Devi
16.	Pradeep Devi	F	OBC	Housewife	-	-	967861483	Pradeep Devi
17.	Pradeep Devi	F	OBC	Housewife	-	-	9813924716	Pradeep Devi

ATTENDANCE SHEET

Gram Panchayat: Sarhadas Pur

Meeting: Cent. School

BLOCK: Saraswati Nagar DISTRICT: Vairamuna 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
18	Deelchand	M	OBC	Farmel	-	-	8818059707	Deelchand
19	Mamchand	M	OBC	Farmel	-	-	967170294	SHIVUN?
20	Ramketh	M	OBC	Farmel	-	-	9883086944	POOTILAN
21	Deelchand	F	OBC	Pach	Yes	U.W.S.C	8708959744	Deelchand
22	Umla Devi	F	OBC	Farmel	Yes	U.W.S.C	9671591671	Umla Devi
23	Mam Devi	F	OBC	Farmel	Yes	U.W.S.C	9996356009	POOTILAN
24	Mam Devi	M	OBC	Farmel	Yes	U.W.S.C	9813086944	Mam Devi
25	Sachin Ram	F	OBC	Pach	Yes	U.W.S.C	8684028773	Sachin Ram
26	Biti Devi	F	OBC	Pach	Yes	U.W.S.C	8168982935	Biti Devi
27	Deelchand	M	SC	Todd	Yes	U.W.S.C	9588138530	Deelchand