

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 11:59 AM User Name : SPMU_Haryana_6

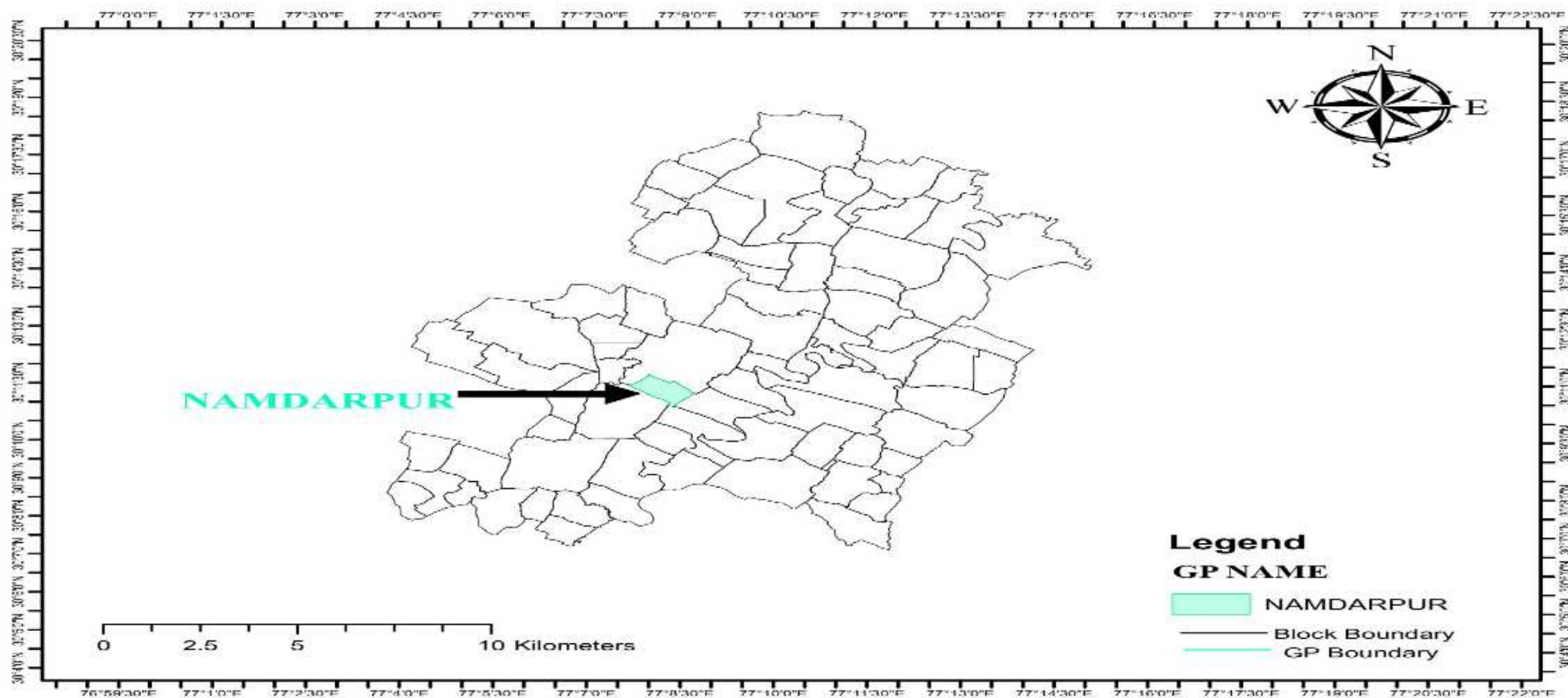
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: NAMDARPUR_33463 » YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Namdarpur_33463
GP ID :	33463	Block Area (Ha) :	20267.2000
GP area (Ha) :	114.4000	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

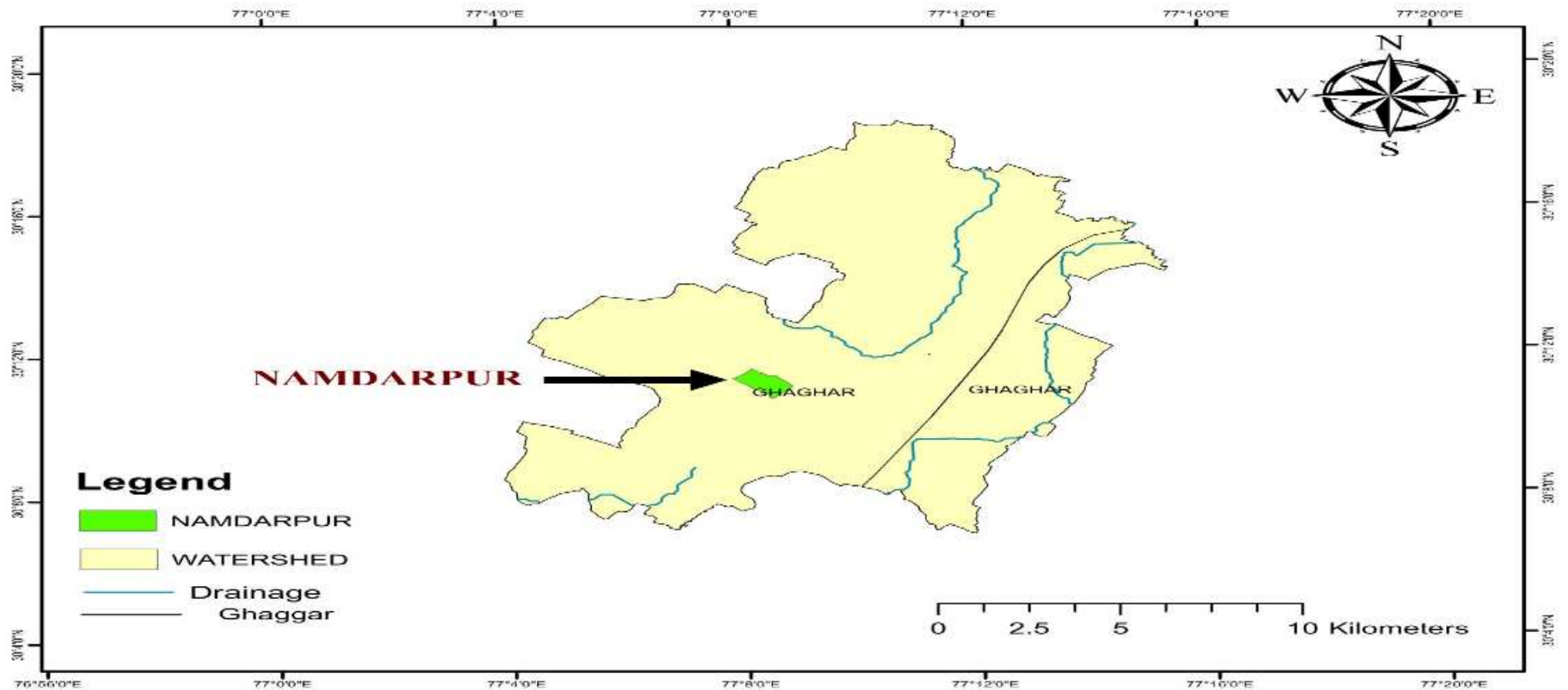
Location Map

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



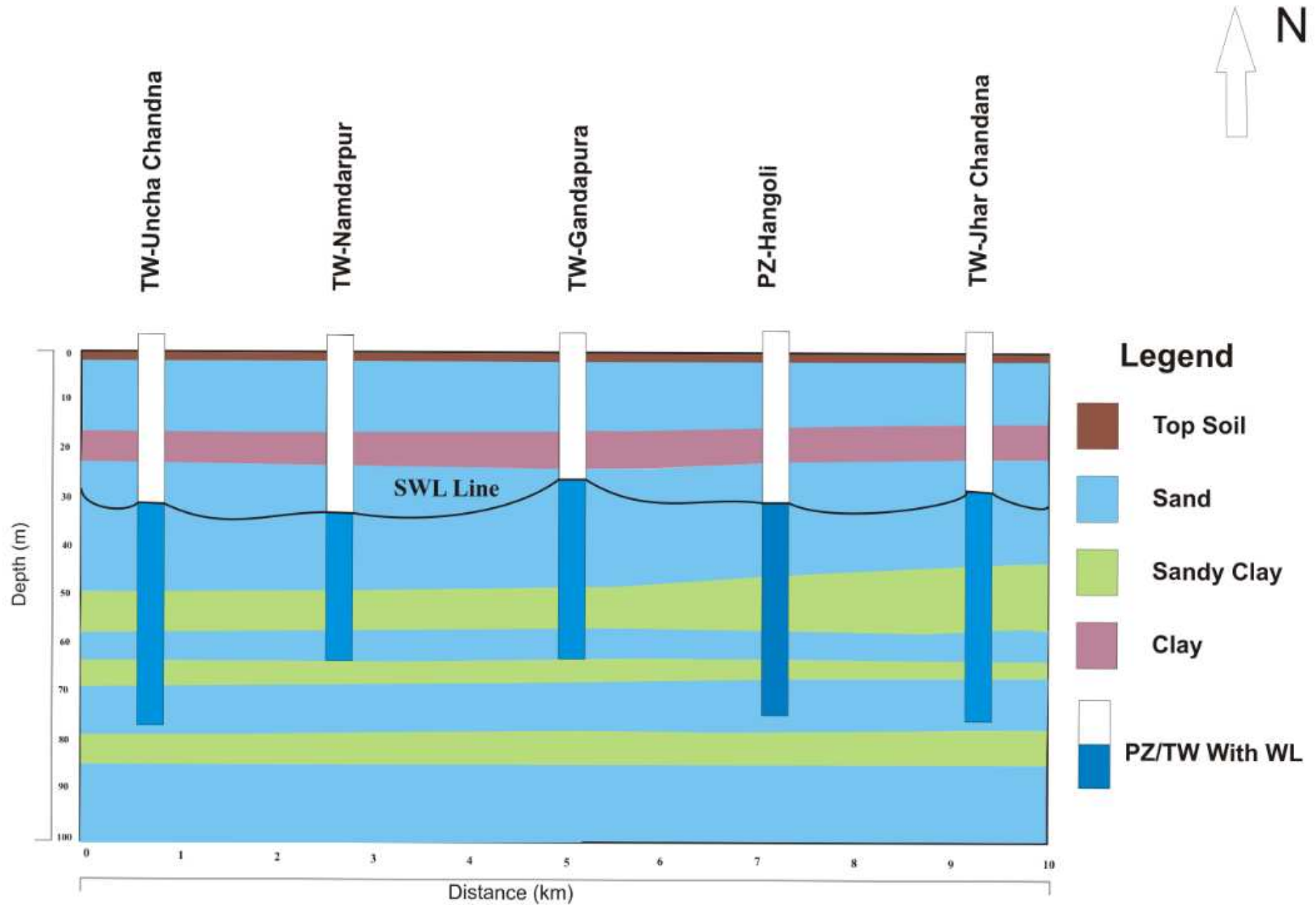
Watershed Map

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



Aquifer Map

Aquifer Map of Uncha Chandna, Namdarpur, Gandapura, Hangoli, Jhar Chandana 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	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	31.88	2024-02-16
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	31.95	2024-01-15
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	32.14	2023-12-24
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	32.74	2023-11-30
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	32.99	2023-10-27
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	33.44	2023-09-29
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	33.56	2023-08-28
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	34.15	2023-07-30
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	34.5	2023-06-29
	Namdarpur	Near sarpanch house	30.19086	77.13591	2023-05-24	033463-001	Tube Well		Private		0.200	45.73	0.20	33.9	2023-05-24

Ground Water Quality

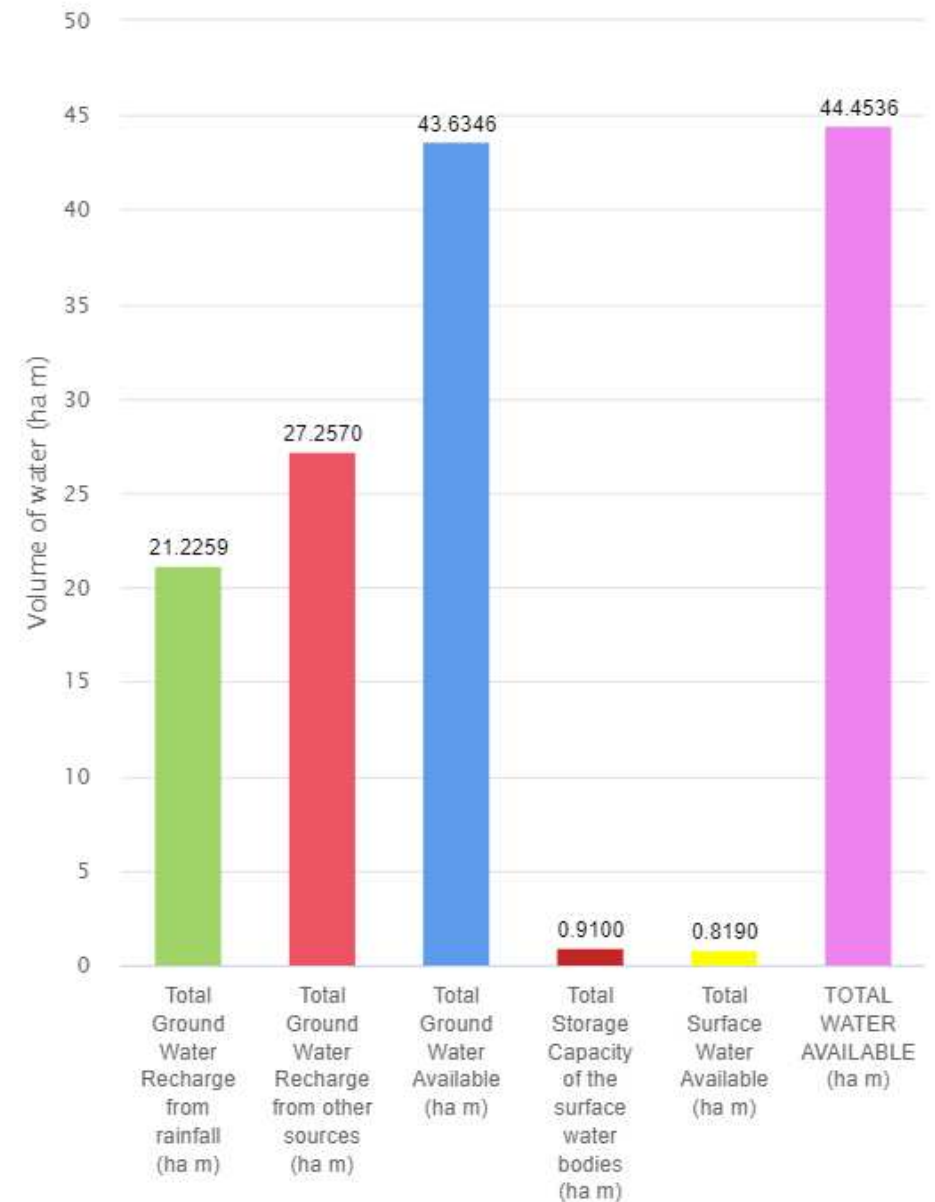
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Namdarpur	Namdarpur	30.187193	77.138718	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Namdarpur_001
2	Namdarpur	Namdarpur	30.189407	77.1353	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Namdarpur_002

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_Namdarpur _001	61	UNCONFINED	7.8	755	463	192	42	21.1	36	0.9	0	242	28	100	0.49	5.96
2	ABY_YMR_S NAGAR_Namdarpur _002	55	UNCONFINED	7.4	995	607	235	46	29.2	61.8	0.9	0	296	48	78	0.59	8.11

Water Availability Report

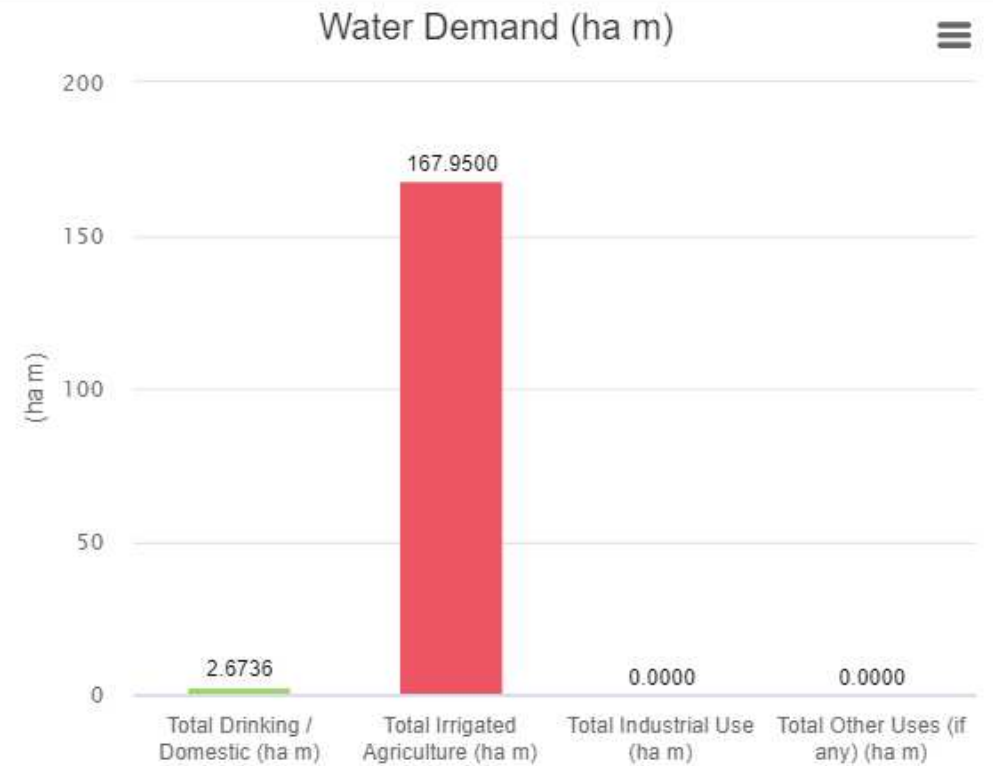
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	204.2887
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	51.4514
e.	Estimated Water Available From Rainfall (ha m)	152.8373
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	45.8512
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	17.0189
(ii)	Non-Monsoon	4.2070
	Total Ground Water Recharge from rainfall (ha m)	21.2259
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	15.7783
(ii)	Non-Monsoon	11.4787
	Total Ground Water Recharge from other sources (ha m)	27.2570
c.	Losses Due to Natural Discharge (ha m)	4.8483
	Total Ground Water Available (ha m)	43.6346
d.	Ground Water Withdrawal (ha m)	87.9850
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	0.91
	Total Storage Capacity of the surface water bodies (ha m)	0.9100
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	0.8190
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.8190
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	44.4536

Water Availability (ha m)



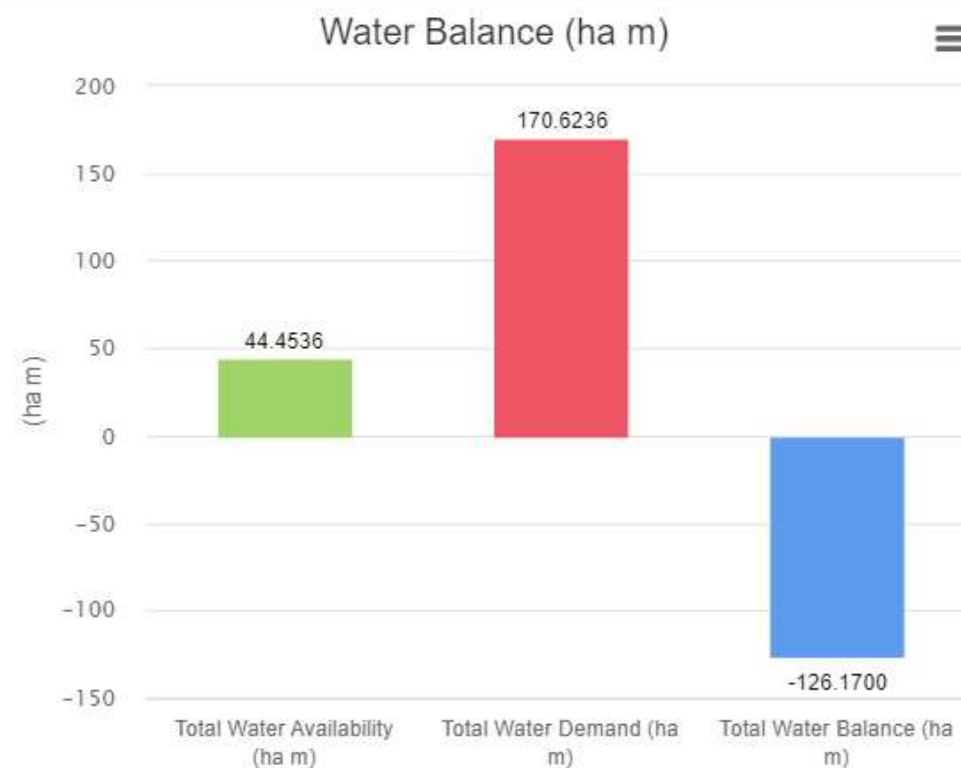
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1444
ii)	From Ground Water	2.5292
	Total Drinking /Domestic (ha m)	2.6736
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	167.9500
	Total Irrigated Agriculture (ha m)	167.9500
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

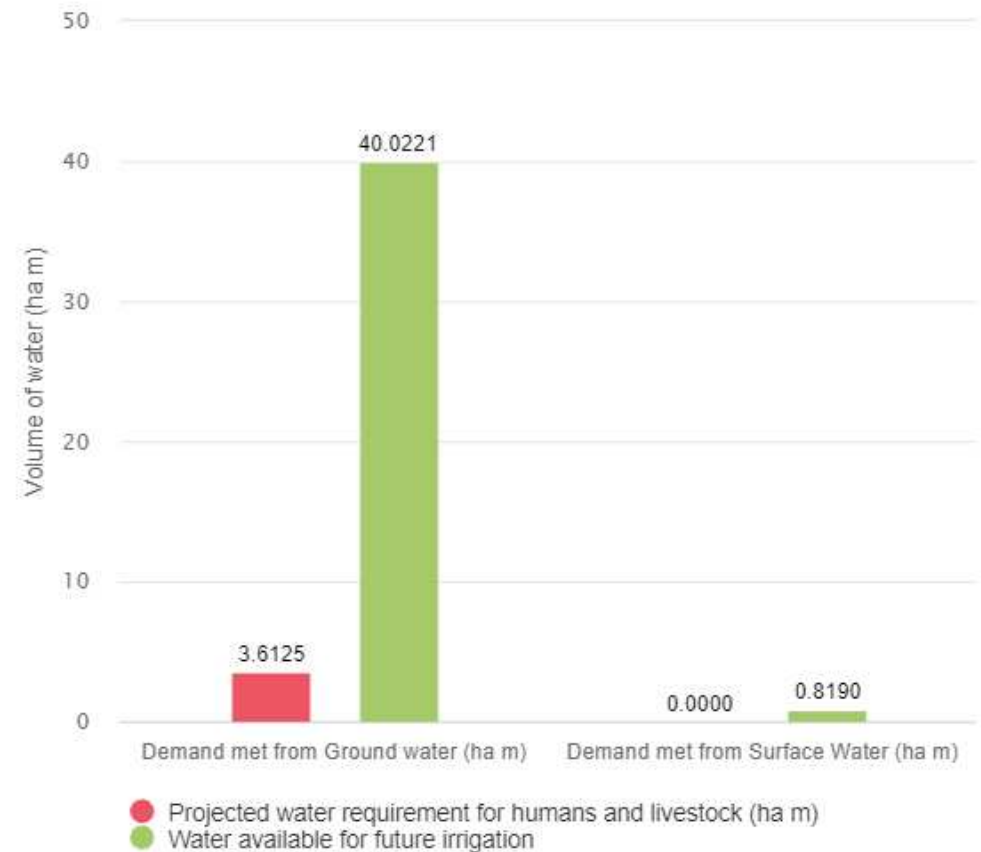
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	43.6346
ii)	Total Surface Water Available	0.8190
	Total Water Availability (ha m)	44.4536
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1444
ii)	Total Ground Water Demand	170.4792
	Total Water Demand	170.6236
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-126.8446
ii)	Total Surface Water Balance	0.6746
	Total Water Balance	-126.1700



Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	614.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	847.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	1.7004
II	Livestock	
i)	Present livestock population	305.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	404.0000
v)	Average per capita requirement (L)	129.6721
vi)	Projected water requirement for livestock (as in 2050) (ha m)	1.9121
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)	3.6125
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)	3.6125
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	40.0221
ii)	Surface water	0.8190
iii)	Total water available for future irrigation	40.8411

Projected Water Budget for future use (for year 2050) ≡

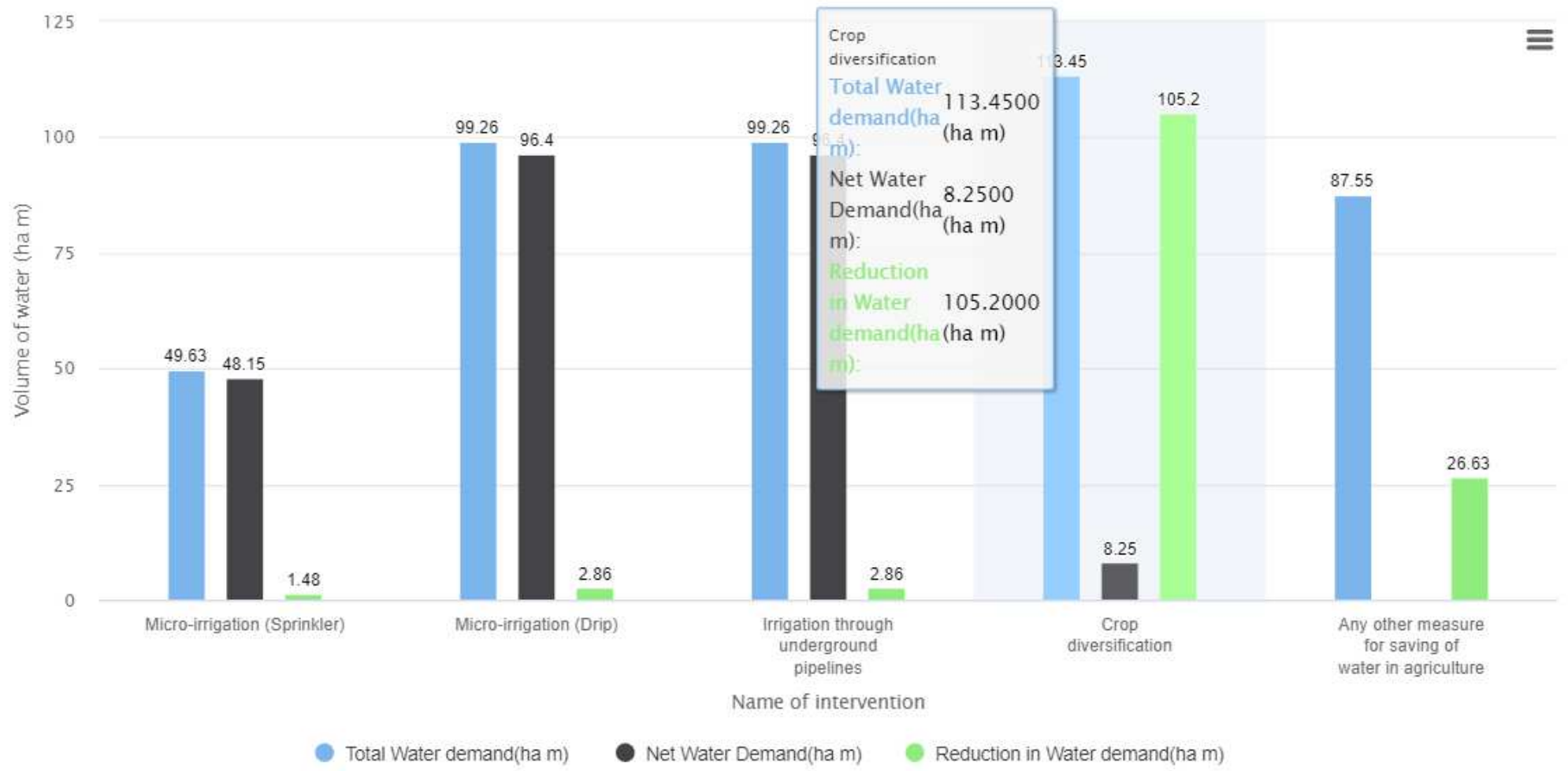


Demand Side

Total Area under Conventional Irrigation (ha) : 202.70399999999998

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	9.0000	49.6300	48.1500	1.4800	10.0800
2	Drip	13.0000	99.2600	96.4000	2.8600	19.8900
3	Pipelines	13.0000	99.2600	96.4000	2.8600	3.2500
4	Crop Diversification	15	113.4500	8.2500	105.2000	2.5900
5	Other Measures	101.0000	87.5500	--	26.6300	5.4740
	Total	151.0000	449.1500	249.2000	139.0300	41.2840

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	42	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	1.554
2	Sprinkler	9	2024-25	MICADA	PMKSY(Per Drop More Crop)	10.08
3	Drip	13	2024-25	MICADA	PMKSY(Per Drop More Crop)	19.89
4	UG Pipelines	13	2024-25	Agriculture & Farmer Welfare Department	Other	3.25
5	Crop Diversification	15	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	2.59
6	Other Measures	2	2024-25	Department of Horticulture	Other	0.32
7	Other Measures	28	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	0.7
8	Other Measures	29	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	2.9
	Total	151				41.2840

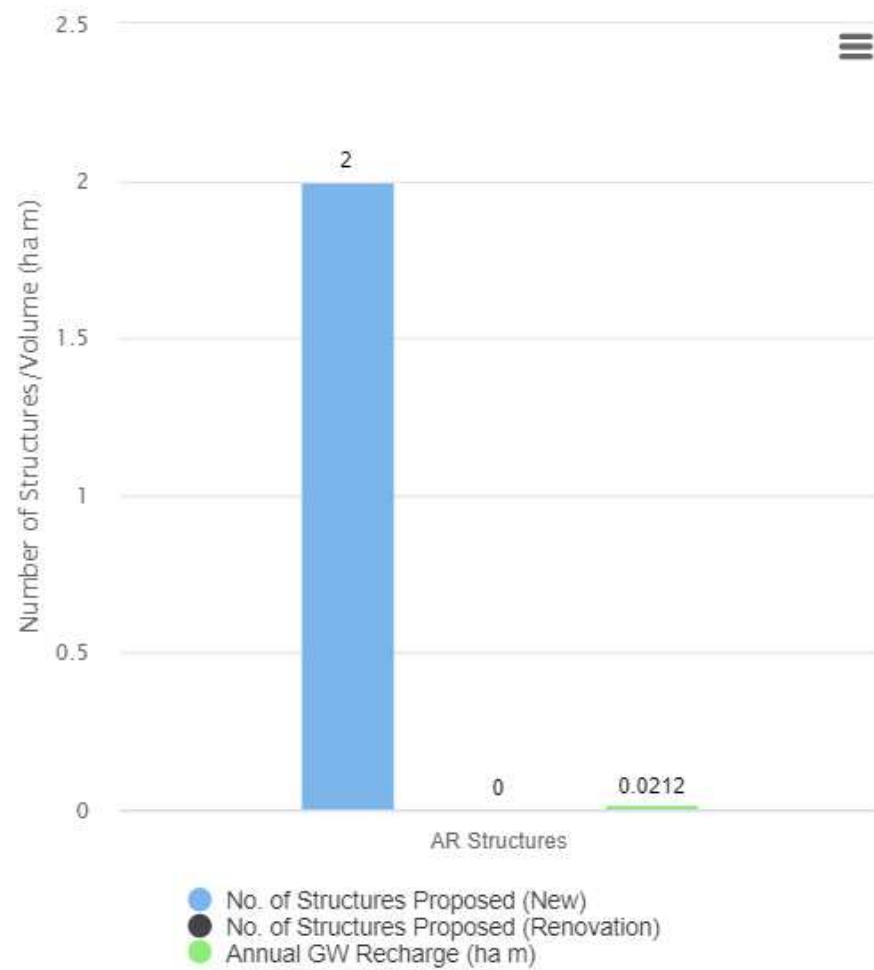


Supply Side

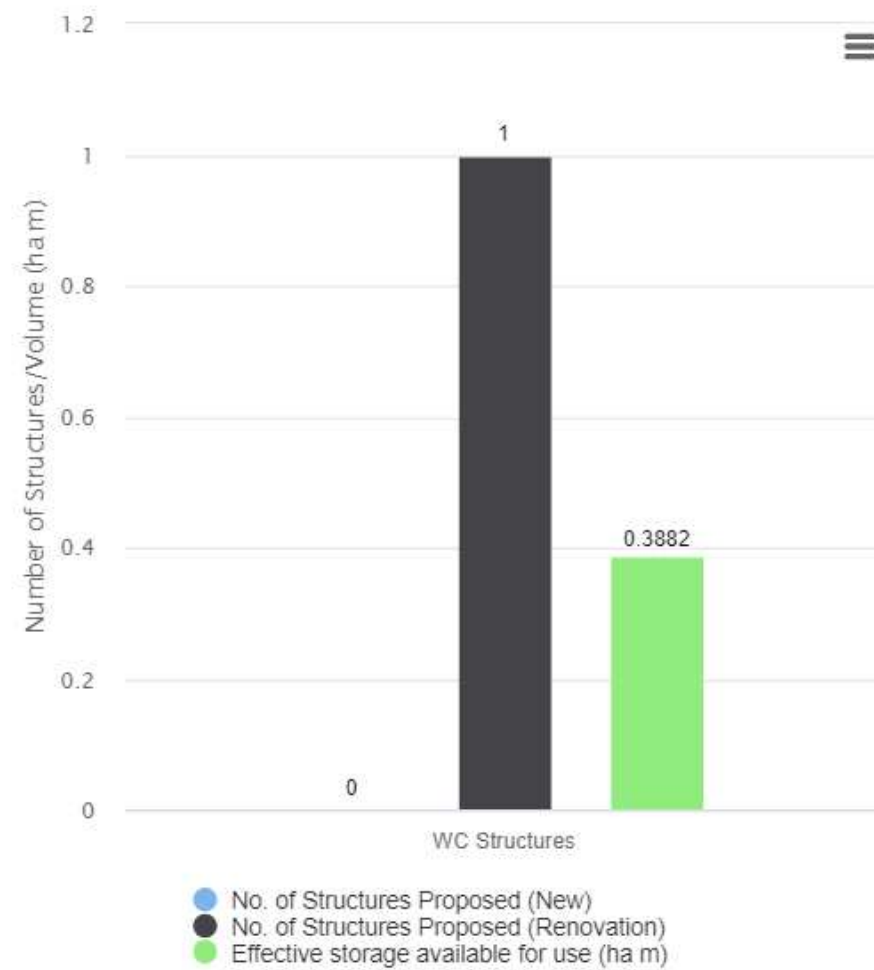
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Namdarpur (455)	30.190771	77.13601	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	roof top rain water harvesting system (New)	0.00616	0.0184800	Namdarpur (455)	30.190832	77.136003	2024-25	Department of Education	CSR	4.5
	Total	0.0080	0.0212							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)	0.647	0.3882	Namdarpur (455)	30.190565	77.135184	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	9.35
	Total	0.6470	0.3882							9.3500

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	RAVINDER PAL SINGH	CHAIRPERSON	Male	9813377700
2	RAJ KUMAR	JE	Male	9729203036
3	GURPREET SINGH	JE PHED	Male	9053779442
4	TRILOCHAN SINGH	MEMBER	Male	9050700482
5	HARDEV KAUR	MEMBER	Female	9467522941
6	KARNAIL SINGH	MEMBER	Male	9416131092
7	MAMTA	MEMBER	Female	8053429691
8	PARAMJEET KAUR	MEMBER	Female	9671675080
9	HARDEV KAUR	MEMBER	Female	9067522941
10	BHUPENDER SINGH	MEMBER	Male	9416132191
11	SUMAN RANI	MEMBER	Female	7015761544
12	URMILLA RANI	MEMBER	Female	8168983109
13	JASWINDER KAUR	MEMBER	Female	9058338958
14	MUKESH KUMAR	MEMBER	Male	8814005520
15	JATINDER KAUR	MEMBER	Female	9996238676
16	SHANKAR	GRAM SACHIV	Male	9991201202

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	Namdarpur_33463	2024-02-23	Namdarpur_33463	Namdarpur (455)	Ravi dass mandir	13	12	0	25

Photograph



GPS Map Camera

Namdarpur, Haryana, India

54QQ+53X, Namdarpur, Haryana 133103, India

Lat 30.188103°

Long 77.138555°

23/02/24 04:05 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 Namdaipuri 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
G.W.E DPMU

Minutes of Meeting

Village Name: Nandpur

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Ravindas mandir

Lat. No. 30°18'10"

Long No. 77°13'55"

Date: 22-02-2024

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

अटल भूजल योजना के अंतर्गत आज दिनांक 22-02-2024 को ग्राम पंचायत नमदापुर में सरपंच श्री रविंद्र पाल सिंह की अध्यक्षता में जल सुरक्षा योजना के लिए बैठक का आयोजन किया गया तथा बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई:-

- ग्राम पंचायत में जौहर का पुर्ननिर्माण किया जाए
- किसानों के खेतों में सिंचन के लिए क्षमिगत पम्पलाइन की व्यवस्था की जाए।
- गांव के स्कूल या धर्मशाला में शौचालय पिट या RTRWMS बनवाए जाए।
- DSR विधि से धान की छुआई की व्यवस्था की जाए।
- फसल प्रबंधन प्रबंधन की व्यवस्था की जाए।

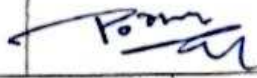
उपरोक्त सभी बिंदुओं पर चर्चा करके सभी की उपस्थिति में जल सुरक्षा योजना को पारित किया।

ANNEXURE III

RESOLUTION

Date: 23-02-2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat, NAMDARPUR
Block/Taluk/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 23/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Ravinder Pal Singh	 Sarpanch Gram Panchayat, NAMDARPUR Block, Saraswati Nagar (YNR)
	Gram Panchayat Secretary	Po Dora	

ATTENDANCE SHEET

Gram Panchyat:- Narmada PoreMeeting :- Ravinder mundirBLOCK : 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	Ravinder Pal Singh	m	Gen	Farmer	Yes	Sarpanch	98133 77700	Ravinder
2	Preeti Devi	F	SC	Tailor	No	No	83-7756227	Preeti
3	Paramjeet Kaur	F	Gen	H.W	Yes	VWSC	96716 75080	Paramjeet
4	Suran Rani	F	SC	Tailor	Yes	VWSC	70157 61547	Suran Rani
5	Dashrath Devi	F	SC	Farmer	No	—	9896084860	Dashrath
6	Rasni	F	OBC	H.W	No	No	8295624465	Rasni
7	Trilochan Singh	m	Gen	Farmer	Yes	VWSC	90507 00482	Trilochan
8	Hardev Kaur	F	Gen	Farmer	Yes	VWSC	94675 22441	HARDEV
9	Ram Singh	m	OBC	Farmer	No	No	90508 71706	Ram
10	Sandeep	m	SC	Shopkeeper	Yes	SWC	90509 44052	Sandeep
11	Kulvinder Singh	m	Gen	Farmer	No	No	95094 4052	Kulvinder
12	Urmila Rani	F	SC	Farmer	Yes	VWSC	81689 83109	Urmila
13	Sinder Kaur	F	OBC	H.W	No	No	80534 24814	Sinder
14	Mukhit Singh	m	Gen	Shopkeeper	No	No	70246 07025	Mukhit
15	Hardev Singh	m	SC	Charidar	No	No	80400 50620	Hardev
16	Sabinder Kaur	F	OBC	Farmer	Yes	VWSC	90587 38958	Sabinder
17	Chand Kaur	F	Gen	A.W.W	Yes	A.W.W	93066 70979	Chand

Gram Panchyat:- Nandarpur Meeting :- Pravides ramdir BLOCK :- Saraswati nagar DISTRICT:- Yamuna Nagar

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